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Springfield Seeds for 1953



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STORE
and
FLOWER SHOP
310 - 312
W. Walnut Street

SATISFACTORY
SEED SERVICE
SINCE 1896

SPRINGFIELD SEED CO. **SPRINGFIELD**
MISSOURI

MISSOURI PERMIT No. 1

FARM SEEDS

Hybrid Corn

STAR BRAND 808 Hybrid Corn is a great drought and heat resister. Large ears with deep grains on a big strong stalk. Heavy yielder, doing well on soils of average fertility. A great repeater among those who have used it.

ALYCE CLOVER

A summer annual reseeding each fall. Produces more and finer hay and pasture than Lespedeza. Very drought resistant.

KENTUCKY 31 FESCUE

Try some of this permanent pasture grass, which forms a close, tight sod. May be used for lawns also.

ALTA FESCUE

A long-lived perennial grass. Use with legumes for best results.



STAR BRAND 808 HYBRID CORN

LADINO CLOVER

A very large species of White Dutch Clover. More perennial in type than Red or Alsike Clover. Used in pasture and hay mixtures where the aftermath is to be grazed.



RED CLOVER



LADINO CLOVER

SPRINGFIELD SEED CO.

1896 - *Fifty - Seven Years* - 1953

Satisfactory Seed Service With

★ **STAR BRAND SEEDS** ★

Our Main Plant and Office at 315-17-19 North Main Avenue was constructed in 1936, and was carefully designed for the economical receiving, processing, packing and shipping of STAR BRAND SEEDS. Our office and modern Seed Laboratory occupy a part of the second floor.

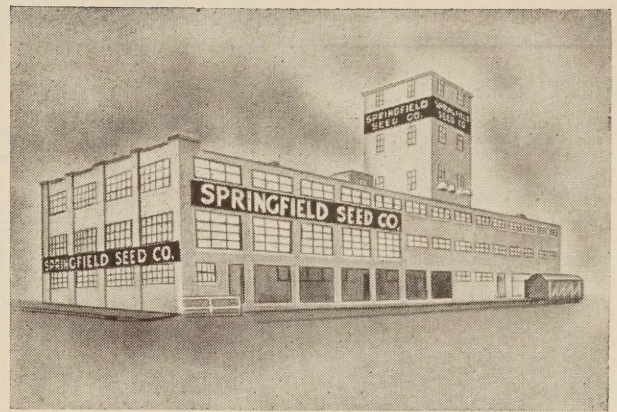
STAR BRAND SEEDS are selected for their adaption to this section of the country and each lot is carefully tested for purity and germination. Quality PAYS in seeds perhaps more than in anything else you use. Just any seeds are not good enough—be sure to get the best by using STAR BRAND SEEDS.



MEMBER
SINCE 1900



Store and Flower Shop, 310-312 W. Walnut Street



Office and Wholesale Department
Mailing Address, P. O. Box 1155 S. S. S.

STORE AND FLOWER SHOP

Our new, modern Seed Store and Flower Shop, located at 310-12 West Walnut Street, is especially planned for your shopping convenience.

Our Nursery and Plant Department is planned for keeping these stocks in the best possible condition for planting.

From our Flower Shop we can supply you with the finest quality cut flowers and plants, most of which are received fresh daily from our own Greenhouses. Consult our floral designers for the finest floral arrangements for every occasion.

FREE PARKING space is provided for our customers on the east side of our Store. If the parking space is filled, ask the attendant for a FREE PARKING ticket.

We are Springfield's oldest member of the Florists' Telegraph Delivery Association. Send Flowers-By-Wire anywhere in the World.

NOTICE ALL PRICES SUBJECT TO
CHANGE WITHOUT NOTICE



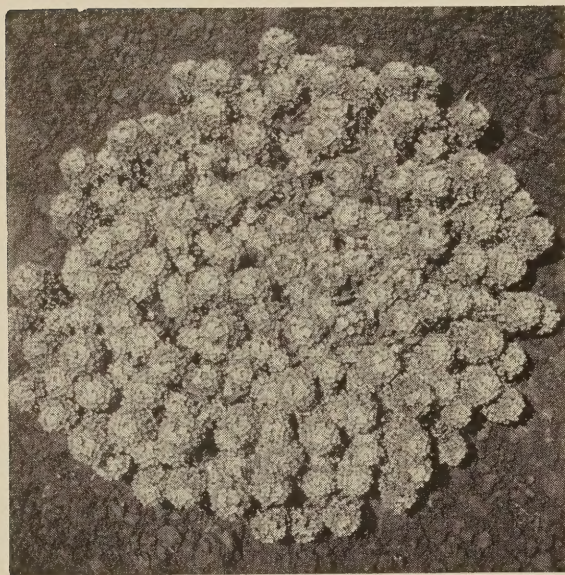
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The 1953

ALL-AMERICA SELECTIONS

FLOWERS



Royal Carpet Alyssum

ROYAL CARPET ALYSSUM. The Silver Medal Award for 1953 was given by the All-America reviewing committee. For use as ground covers, low edgings to beds and borders or for rock and wall gardens. Only 2 inches tall when full grown, the plants are covered with blooms of the richest, deepest violet. The sheet of blossoms measure about 10 to 12 inches across, practically concealing the foliage of the plant. Very uniform in type and color. Pkt., 25c.



Petunia Comanche

COMANCHE PETUNIA. A 1953 Bronze Medal Award All-America Selection. A strong growing hybrid with loads of bloom of the richest scarlet red from spring to late fall. A first generation hybrid which always come true and has many more flowers on somewhat larger, more bushy, stronger plants than Fire Chief which was a 1950 winner. Just as easy to grow and is a very striking improvement over Fire Chief. Single flowers $2\frac{1}{2}$ to $2\frac{3}{4}$ inches in diameter provide valuable cutting material. Pkt., 50c.

All Time All-America VEGETABLE SELECTIONS

Voted to be the all-time vegetable selections in the past twenty years, listed in order of votes received.

FORDHOOK 242 LIMA BEAN. Introduced in 1945. Is a medium large, thick seeded, prolific bean of extra quality. It is much wider adapted and sets pods under high temperature conditions which cause other thick-seeded varieties to drop their blooms without making pods. Ready to eat in about 75 days. Pkt., 20c.

EARLY PROLIFIC STRAIGHTNECK SQUASH. A 1938 introduction, it is the best summer bush squash. Except for the straight neck, it is similar to Early Summer Crookneck. Lemon yellow in color, smaller seeded and is earlier, starting to bear in about 50 days. This fruit, buttery tender, is ready to eat in five or six days after each blossom drops. Extremely prolific if kept picked, of bush form and easily adapted to home and market gardening. Pkt., 15c.

PERFECTED DETROIT BEET. Introduced in 1934. Has globe shaped roots but of very dark red flesh all the way through and almost without lighter zoning or interior rings found in most beets, is similar to modern strains of Detroit Dark Red. Of excellent quality, tender and sweet at all stages. More "greens" from its tall foliage. The globes, oxblood in color, are beautiful when served or canned whole, sliced or diced. Ready in about 60 days. Pkt., 10c.

IMPERATOR CARROT. A 1933 introduction. Produces a long tapering type root, neat in shape, with flesh a rich orange, sweet and of fine quality. The most important carrot for light loamy soils. The shorter rooted varieties are recommended for stiff and stony soils, such as Supreme Half Long or Red Cored Chantenay. Pkt., 10c.

CHERRY BELLE RADISH. In 1949 this bright cherry red, small, round radish was introduced. Ready to use in about 21 days, it retains its crisp, solid condition over a considerable period. Does not get pithy with age and stays that desirable bite size. A very short top with smallest tap root, and is good for forcing. Pkt., 10c.

TOPCROP SNAP BEAN. Introduced in 1950. This extra early, very vigorous and prolific plant bears medium green pods, about 6 inches long, round and very meaty. Is very resistant to common bean mosaic, and usually doubles the yield of Tendergreen, an earlier winner. A fiberless, tender, stringless bean of excellent quality. Pkt., 15c.

Other ALL TIME ALL-AMERICA VEGETABLE SELECTIONS ARE: Cucumber, Early Surecrop Hybrid, 1951; Spinach, America, 1952; Tomato, Pritchard, 1933; Lettuce, Great Lakes, 1944; Sweet Corn, Iochief Hybrid, 1951; Cabbage, Chieftain, Savoy, 1938, which are listed in our vegetable seed section.

Look for previous All-America listings in our flower seed section beginning page 16.

See previous listings of All-America awards in our vegetable section, pages 4 to 13.

★ Star Brand ★ VEGETABLE SEED Springfield Seed Co.

MAKE YOUR GARDEN WORK THE YEAR AROUND

For Best Results Plant STAR BRAND SEED

The wide-awake gardener plans to use his garden full time by sowing seeds as early in the spring as possible and following with succession crops throughout the summer. Grow the varieties of vegetables that your family will eat and be sure to include enough to can, store and freeze to last all through the year.

WHEN TO PLANT

Because of year to year weather variations it is difficult to list specific dates at which various crops should be planted. Therefore may we suggest nature's own signs.

THE VERY EARLY VARIETIES: Broccoli, cabbage, carrots, cauliflower, kale, kohlrabi, lettuce, round seeded peas, radishes, rutabagas, spinach and turnips can be safely planted at the time the farmer seeds oats.

THE EARLY VARIETIES: Beets, onion sets, wrinkled peas and Swiss Chard may be sown when the earliest tulips and daffodils are blooming.

LATE SPRING CROPS: Bush beans, sweet corn, pumpkins and squash may be planted when the apple blossoms and lilacs are in full bloom.

SUMMER CROPS: Lima beans, pole beans, cucumbers, muskmelons and okra may be planted and plants of eggplant, peppers and tomatoes set out when the apple blossom petals have fallen and the late tall iris are in full bloom.

FALL CROPS: Turnips, bush beans, Chinese cabbage, mustard, radishes, lettuce and spinach may be sown in late July or early August to replace the early crops.



FOR HOME FREEZING

we suggest the following vegetables

ASPARAGUS—Mary Washington.

BEANS (green)—Bountiful, Giant Stringless Greenpod, Kentucky Wonder, Tendergreen, Rival, Top-crop.

BEANS (lima)—Fordhook, Burpees Bush, Henderson's King of Garden.

BEANS (wax)—Pencil Pod Wax.

BEETS—Detroit Dark Red, Crosby's Egyptian.

BROCCOLI—Green Sprouting.

BRUSSELS SPROUTS—Long Island Improved.

CAULIFLOWER—Early Snowball.

CORN (sweet)—Golden Bantam, Golden Cross Bantam, Stowell's Evergreen, Stowell's Evergreen Hybrid.

EGGPLANT—Black Beauty.

KOHLRABI—Early White Vienna.

PEAS—Gradus, Thomas Laxton, Laxton's Progress, Little Marvel, Telephone.

RHUBARB—Ruby Red.

SPINACH—Bloomsdale Long Standing, King of Denmark, Giant Nobel.

SQUASH (winter)—Blue Hubbard, Golden Hubbard, Delicious.

SWISS CHARD—Lucullus.

TURNIP—Purple Top White Globe, Purple Top Strap Leaf.

VEGETABLE PLANTS and ROOTS

We have the best equipped Greenhouses and Trial Gardens in the Southwest for growing plants: 55,000 square feet of glass.

In their proper seasons we shall have large quantities of all kinds of vegetable plants of our own growth. Give us ample time to select, pack and ship your order. By doing so you will secure better plants. Should we be sold out of the variety of plants ordered, we will send a nearly similar kind instead. They will be carefully packed and will carry long distances. Plants by mail at purchaser's risk. No charge for packing, etc. Special prices to growers and canners.

TRANSPLANTED PLANTS WILL BE SENT UNLESS OTHERWISE STATED ON YOUR ORDER

	Doz.	100	1000	Ready About
CABBAGE—Frost Proof, Transplanted, home grown.....	\$0.20	\$1.25	\$7.50	Feb. 15
Tomato, Transplanted .....	.20	1.25	8.50	April 1
Peppers, Transplanted .....	.25	1.50	.....	April 15
Cauliflower, Transplanted .....	.25	1.50	.....	April 15
Sage Plants .....	.25	.....	.....	April 15
Eggplant, Transplanted .....	.25	1.50	.....	April 15
Celery .....	.15	1.00	.....	April 1
Sweet Potatoes—				
Standard .....	.....	.60	5.00	May 1
Nancy Hall .....	.....	.60	5.00	May 1
Parsley .....	.25	1.50	.....	April 1
Horseradish Roots .....	.95	.....	.....	.....

Prices quoted above on plants are at our store only. By parcel post add 17c for first dozen, 5c for each additional dozen, for postage and packing.

SPHAGNUM MOSS—For packing vegetable plants. \$4.50 per bale, f. o. b. our store.



ASPARAGUS ROOTS

2 years old. We can furnish Washington roots at 25 Roots, \$1.35; 100 Roots, \$4.25; Prepaid.

HOTKAPS

PROTECT CROPS AND PAY PREMIUM PROFITS



HOTKAPS eliminate weather and insect damage. These patented wax paper cones form miniature hot houses over each plant, promote sturdy growth and bring crops to maturity two to three weeks earlier. Thousands of farmers are getting premium prices, making big money every year by using HOTKAPS. Inexpensive to buy. Easy to set out. One man can place 2000 or more per day.

Prices: 1000 for \$18.35, 250 package with Setter and Tamper, \$5.90, 100 package with Setter and Tamper, \$3.15. HotKap Home Garden package, 95c; Steel Setter, \$1.95. Postage extra.

NUMBER OF DAYS TO MATURITY

The number of days required by any particular variety to produce garden stuff ready for table use varies from year to year and depends upon growing and seasonal conditions. In our description of most varieties we are giving the average number of days from seed to edible stage. Time given for broccoli, cabbage, cauliflower, pepper and tomato is days from setting plants to marketing fruits. Figures are based on growing conditions here and are meant only for convenience in comparing earliness of varieties.

YOUR ORDER FROM THIS CATALOG WILL RECEIVE OUR CAREFUL ATTENTION AND BE IMMEDIATELY SENT TO YOU.

★ BEANS ★

BUSH KENTUCKY WONDER. New bush form of Kentucky Wonder with same flavor as the pole bean. Big, long stringless green pods; a heavy bearer. Be sure to try this bean. Pkt., 20c; ½ Lb., 45c; Lb., 75c.

CULTURE—Beans are sensitive to both cold and wet, so do not plant till the ground is warm. To have a continuous supply plant every two weeks from the time the ground gets warm till the middle of August; farther south they may be planted even later. Make the rows 2 and 3 feet apart, drop the beans 3 inches apart and cover 1½ to 2 inches deep. Give frequent but shallow cultivation up to blooming time, not afterward, and never when the plants are wet. Plant in a light loamy soil that warms up quickly. One pound plants 60 feet; 100 pounds will plant an acre.

GREEN PODDED BUSH

Pkt., 15c; ½ Lb., 35c; Lb., 55c.

LANDRETH'S STRINGLESS. 53 Days. 6 in., slightly curved, round, dark green fleshy pods, stringless, seeds brown.

BOUNTIFUL. Six Weeks. 50 Days. 8-in. straight broad flat light green pod, stringless.

BURPEE'S STRINGLESS. 55 Days. 5-in. curved round green fleshy pod, stringless.

FULL MEASURE. 54 Days. 6-in. fairly straight dark green round pod, stringless.

GIANT STRINGLESS. 54 Days. 6-in. round fairly straight light green pod, stringless.

RED VALENTINE. 54 Days. 6-in. fairly straight green pod, strings.

TENNESSEE GREEN POD. 52 Days. 8-in. flat very broad dark green pod, strings.

TENDERGREEN. 54 Days. The pods are long, light green in color, round and absolutely stringless. Yields a heavy crop of early beans.



Tendergreen

For Beans, Peas, Sweet Peas
Use Nitragin

NEW IMPROVED VARIETIES

Pkt., 15c; ½ Lb., 40c; Lb., 65c.

CONTENDER. 54 Days. A recent introduction with resistance to powdery mildew and common bean mosaic. Stringless pods of Black Valentine type. Round dark green pods.

LOGAN. 52 Days. Upright plants grow 16 to 20 inches tall. Round pods 6 inches long with crease-back. Stringless, smooth and meaty.

RANGER. 56 Days. Plants are vigorous and are resistant to downy mildew, common mosaic and some forms of anthracnose. Round, stringless, tender pods about 5 inches long. Seeds are white when dried and are excellent for winter use.

RIVAL. 50 Days. Pods are very slender, meaty and stringless and are of good flavor. Measure about 6½ inches long with somewhat crease-back development. All American Winner.

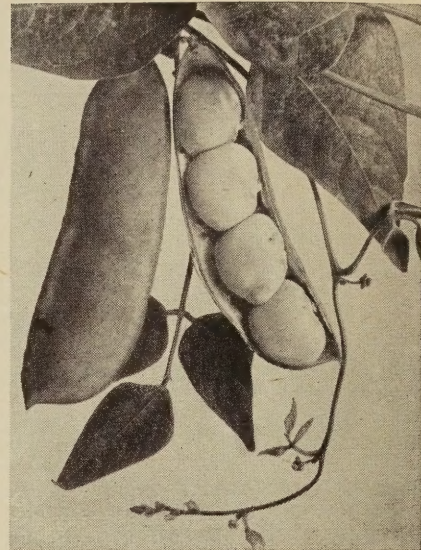
TENDERPOD. 48 Days. Very tender, delicately flavored, stringless pods which are about 4½ to 5½ inches long. It is a very productive bean over a long period. Dried beans are excellent for boiling or baking. All American Winner.



WADE BUSH SNAP BEAN. Received the Gold Medal for 1952. This variety is resistant to powdery mildew and common bean mosaic. Pods are deep green, about 6 inches long, round and slender. Seeds are a reddish brown. Plant is taller than Tendergreen, heavy yielding and pods are borne well off the ground. A top quality bean and is recommended for processing as well as for home and market use.



STRINGLESS HORT. SNAP BEAN. An Honorable Mention award for 1952. A dwarf horticultural bean with a longer pod and more productivity than the standard dwarf variety. Semi-flat pod measuring about a half-inch wide by 6½ inches long containing five or six beans to the pod. Dry beans are from light buff to blacking brown on buff and are semi-kidney shaped.



Henderson's Bush

BUSH LIMA

Pkt., 15c; ½ Lb., 35c; Lb., 55c.

BURPEE'S. 77 Days. Strong vigorous pods, beans medium size.

FORDHOOK. 75 Days. Erect heavy producing vine. Pods 4 to 4½ inches long.

HENDERSON. 65 Days. Medium height, compact vine. 3-in. pod, small seeded.

SPECKLED JACKSON WONDER. 65 Days. Very prolific and hardy. Plant resembles Henderson's.

WAX BUSH

Pkt., 15c; ½ Lb., 35c; Lb., 55c.

GOLDEN WAX. 48 Days. 4½-in. thick creamy pods, stringless.

KENTUCKY WONDER WAX (Pole). 68 Days. 8-in. large thick creamy pods, stringless.

PENCIL POD WAX. 58 Days. 6½-in. round curved yellow pods, stringless.

POLE or RUNNING

Pkt., 15c; ½ Lb., 35c; Lb., 55c.

KENTUCKY WONDER. 70 Days. 9-in. round curved pod, strings.

KENTUCKY WONDER (White). 70 Days. 7-in. round brittle pods, stringless.

KENTUCKY CUT SHORT. 72 Days. 4-in. straight flat pods, strings.

DUTCH CASE KNIFE. 65 Days. 8-in. straight flat pods, strings.

LAZY WIFE. 75 Days. 6-in. straight fleshy pods, stringless.

MISSOURI WONDER. 66 Days. 5-in flat curved pods, productive, strings.

STRIPED CREASEBACK. 70 Days. 6½-in. straight round pods, strings.

WHITE CREASEBACK. 65 Days. 5½-in. round curved pods, nearly stringless.

POLE LIMA

Pkt., 15c; ½ Lb., 35c; Lb., 55c.

KING OF THE GARDEN. 88 Days. Strong growing and large podded, 4 to 5 beans.

SIEVA (Carolina). 77 Days. Early, hardy, productive and a continuous bearer. Very popular.

SPECKLED FLORIDA BUTTER. 90 Days. A small seeded dependable prolific variety, popular.

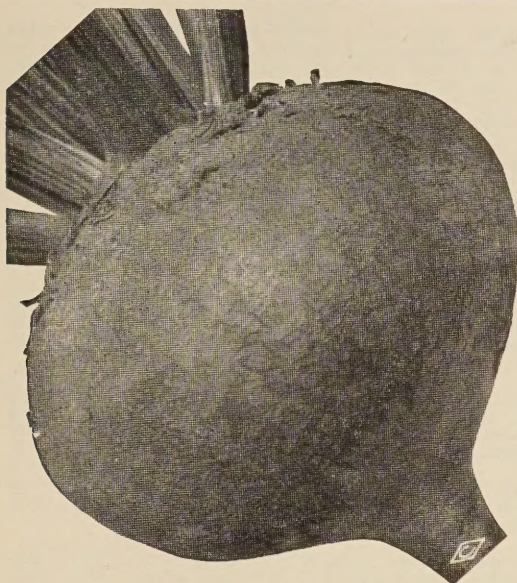
GIANT PODDED SPECKLED or CHRISTMAS LIMA. 90 Days. The largest podded Lima we know of. Pods measuring 7 inches long by 1½ inches broad. Try a packet of these.

ALL GARDEN SEED POSTPAID. SEE PAGE 12
FOR COMPLETE GARDEN SEED LIST.

★ Have Beets
All Winter

BEETS

★ Star Brand ★



Early Blood Turnip

MANGEL WURZEL and SUGAR BEETS

Pkt.	Oz.
10c	20c

Sugar Beets and Mangels are of great value for stock feeding, because of the improved health and condition of the animals, increased flow and quality of milk, and because of the saving in fodder. The yield is enormous, and the cost of growing is trifling. Grow a patch of them for winter feed. They are also excellent for poultry.

LONG RED MAMMOTH (Norbiton Giant). Attains enormous size; producing thirty to fifty tons to the acre. Root nearly cylindrical in shape, light red, growing well above ground; flesh white and rose colored.

GOLDEN TANKARD. Roots large, nearly cylindrical in shape, narrowing abruptly at both ends; skin deep orange-yellow; flesh zoned yellow and white; sweet and productive.

BEETS ALL WINTER

Late sown Beets may readily be kept for winter use, if packed in a slightly moist soil or sand in a cool cellar. We recommend Detroit Dark Red for this purpose.

CHINESE CELERY or CABBAGE

Pe Tsai—Chihli

CULTURE—About 65 days. Sow last half of July or first of August for best results in this section. When matured this plant resembles Cos lettuce more than cabbage. Used in salads or may be cooked like cabbage or asparagus. Plants should be banked as they grow, or the leaves tied up over the center to produce celery-like form.

CHINESE CABBAGE (Wong Bok). 80 Days. The heads of this variety are shorter and broader than Pe Tsai, the incurving leaves producing a tighter, more compact head.

TABLE BEETS

Pkt.	Oz.
10c	20c

CULTURE—Beets are sown where crop is to grow, in open ground, as soon as spring frosts are over, 1-inch deep in drills 12 to 15 inches apart, for convenience in hoeing; and young plants are thinned out with a greater or less space between them, usually about 4 inches, according to size of variety grown. The thinnings from crop make excellent greens. They thrive in well enriched, moist soil, with plenty of sunshine. Growth will be greatly stimulated with a slight application of Nitrate of Soda.

50-55 DAYS

EARLY WONDER. Roots uniform, nearly globe shaped, with small top, skin dark red, flesh deep blood red. Popular with market gardeners for early or late planting.

DETROIT DARK RED. One of the very best sorts for home or market garden and for canning purposes. Roots uniformly smooth, of medium size, and globe shaped; skin dark red, flesh solid vermilion red.

EARLY BLOOD TURNIP, IMPROVED. The old standard table beet; roots nearly round or slightly flattened, bright red, zoned and of good quality. Not so early as Detroit, and with a larger, coarser top.

CROSBY'S EGYPTIAN. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shaped, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender.

EDMAND'S BLOOD TURNIP. A second early sort, with short tops; roots nearly round, dark red; flesh purplish red with little zoning; a good keeper.

CABBAGE

Pkt.	Oz.
10c	30c

CULTURE—One ounce will produce about 2,000 plants; 10,890 plants will plant an acre of early cabbage; and 7,260 plants for an acre of late. Three ounces of seed will plant an acre of early and five ounces an acre of late cabbage. For early cabbage, sow seed in hotbeds in January or February. Transplant as early as possible to the open ground about two feet apart each way. For late cabbage, sow seed in the open ground in May and transplant about July 1 in rows 2½ feet each way.

GOLDEN ACRE. 66 Days. The earliest of the round headed cabbages, maturing with Jersey Wakefield. Plant small, dwarf and compact; heads of medium size, round as a ball, hard, solid and very uniform.

COPENHAGEN MARKET. 70 Days. Very fine, nearly as early as Jersey Wakefield; stem short, heads large, round and solid, with few outer leaves of an upright growth.



CHIEFTAIN SAVOY. All-America selection for 1938. A beautiful solid heading cabbage. Much more attractive than plain leaved varieties with a rich green color. Recommended for both home and market gardeners. Pkt., 15c.

EARLY JERSEY WAKEFIELD. 65 Days. The most widely known and popular extra early variety; heads are broad cone shaped and very solid. Our stock is very dwarf, compact and extremely early.

CHARLESTON LARGE WAKEFIELD. 75 Days. About one week later than Early Jersey Wakefield, but the conical heads are fully one-half larger.

LATE FLAT DUTCH. 95 Days. A justly popular and esteemed variety; extensively cultivated for market and family use. Heads large, round, flattened and very firm; has a medium stem and is very hardy.

EARLY FLAT DUTCH. 70 Days. Earlier and heads somewhat smaller than Late Flat Dutch; a good short stemmed second early.



LATE FLAT DUTCH

CARROTS

Pkt.	Oz.
10c	20c

CULTURE—Plant seed one-half inch deep in loose, well prepared soil, in rows 16 inches apart. Thin 2 to 4 inches in row. Plant from early spring to mid-June.

DANVER'S HALF LONG. 75 Days. The best known second early, half-long sort; roots 6 to 8 inches long, tapering to a blunt point; flesh deep orange, tender and good quality.

CHANTENAY HALF LONG (The Model). 72 Days. Excellent medium early half-long stump rooted variety; roots about 6 inches long, very thick, smooth and of a deep orange-red color.

IMPROVED LONG ORANGE. 88 Days. An excellent intermediate season, standard sort; roots 12 inches long, about 3 inches broad at the crown, tapering regularly to a point; deep orange color.

NEW BUNCHING. Tops short, roots are 1¼ to 1½ by 8 inches in size, almost cylindrical, rounded shoulders, and are well stumped. Developed for market gardeners as a bunching carrot. Good shipper.



Danver's Half Long

★ **Special** ★
All Prices Subject to
Change Without Notice

★ **Star
Brand****SWEET CORN****FEED WITH
VIGORO**
COMPLETE PLANT FOOD

Iochief Sweet Corn

**IOCHIEF SWEET CORN**

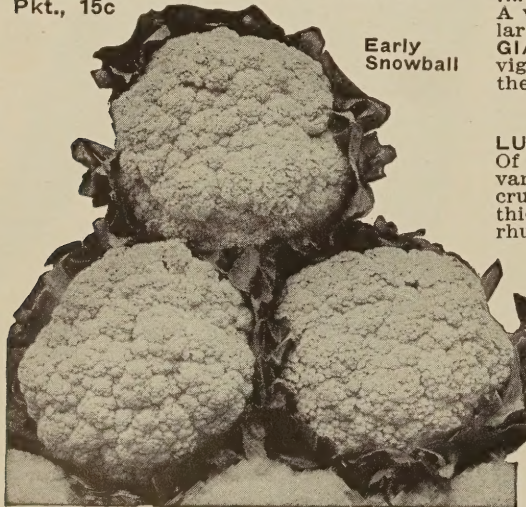
Gold Medal All-America award for 1951. Ears are 16 to 18 rowed and are 9 to 10 inches long of exceptionally deep, golden grains. Iochief is of the same season as Golden Cross Bantam but yields heavier than this variety. It has an excellent flavor and tenderness. It is somewhat resistant to drought and heat. Pkt., 20c.

CAULIFLOWER**FINE DANISH GROWN STOCK**

(1 oz. of seed will produce 3,000 plants)

CULTURE—Sow the seed in January in hotbeds, flats or pots. When plants are large enough transplant 3 inches apart. When the ground is warm transplant in the garden 2½ feet apart. Water freely in dry weather. A second sowing of early varieties can be made in May or June for fall crop.

EARLY SNOWBALL. The best variety for general use. Of dwarf habit, and produces fine, large, white heads in a very short time. Always tender and sweet. Pkt., 15c

Early
Snowball**CELERY**Pkt.
15cOz.
40c

CULTURE—Sow in beds in February or March and keep them well watered. Transplant to moist, mucky soil; 6 inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top; 1 ounce of seed produces 2,000 plants.

GOLDEN SELF BLANCHING DWARF. 118 Days. This sort is without doubt the finest early celery in cultivation. Handsome golden yellow color.

IMPROVED WHITE PLUME. 112 Days. A very early, handsome variety. A popular sort for first early market.

GIANT PASCAL. 135 Days. A compact, vigorous, productive variety and one of the best for winter use.

SWISS CHARD

LUCULLUS. An improved type of Chard. Of more upright growth than the Silver variety; leaves yellowish-green, fairly crumpled, mid-rib and veins white; stalks thick, broad and flat and as large as rhubarb. Pkt., 10c; oz., 20c.

CHIVES

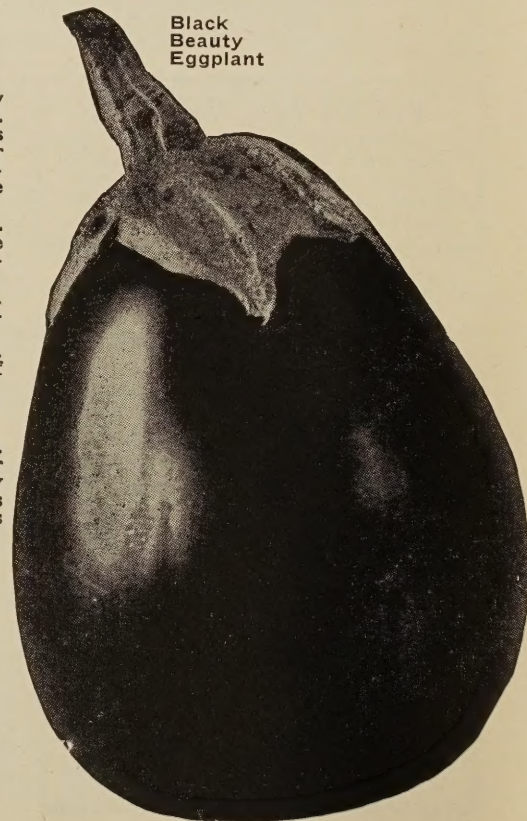
Used for seasoning; has strong onion flavor. Very early, lives forever. Clump of roots, 15c each; \$1.00 per dozen. By mail, 20c a dozen extra.

COLLARDS

Plant two to three feet high, forming a cluster of tender leaves at the top of its rather long stem. Pkt., 10c; oz., 20c.

BIG MO HYBRID SWEET CORN

Received Honorable Mention in 1951 All-America selections. It is a distinctive variety for garden fresh use, canning and quick-freezing. It is a midseason corn growing about 7 feet tall, has few suckers and is a heavy producer. Has a rather strong root system. Ears grow about 8½ by 2½ inches and are golden yellow, with one to two ears to stalk. Pkt., 20c.

Black
Beauty
Eggplant

★ For Pickling
and Slicing

CUCUMBERS

★ Star
Brand ★

EGGPLANT

(1 oz. will produce 1,500 plants)

Pkt.	Oz.
10c	50c

CULTURE—Plant requires continuous warm weather for best results. The seed germinates slowly and should be started in a hotbed. The plants may be set out in the open ground when 2 inches tall if continued warm weather is in prospect. Space the plants $2\frac{1}{2}$ to 3 feet apart. Young plants should be shaded from hot sun.

LARGE NEW YORK PURPLE IMPROVED. The standard home and market sort. Plants large, 30 to 36 inches tall; very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical broad egg-shaped fruits.

BLACK BEAUTY. The earliest of all large-fruited Eggplant, ten days to two weeks earlier than the New York Purple. The color is a rich shiny purplish black. It is entirely free from spines.

ENDIVE

CULTURE—Sow in August in shallow drills, twelve to fifteen inches apart, and thin to one foot in drills. When fully grown tie over the outer leaves of a few plants every week or ten days to blanch.

	Pkt.	Oz.
Green Curled Mammoth.....	\$0.10	\$0.20
Broad Batavian .....	.10	.20

GARLIC

FOR SEED. Thrives best in light, well-enriched soil. Bulbs should be planted in the fall 6 to 8 inches apart. Cultivate and store the same as onions. Much valued for flavoring soups, stews, etc. Fine bulbs. $\frac{1}{4}$ lb., 25c; lb., 60c.

KALE or BORECOLE

DWARF GREEN. Sow in autumn for sprouts of green; desirable in every garden. Height 8 inches. Pkt., 10c; oz., 15c.

SIBERIAN. Pkt., 10c; oz., 15c.

KOHL-RABI

Kohl-rabi is grown for its turnip-shaped bulb, which is formed above ground. The bulbs should be used while young and tender. Set plants 8 inches apart.

EARLIEST WHITE VIENNA. Greenish white outside, with clear white flesh within. Smooth, short leaf; good for forcing; fine quality.

EARLIEST PURPLE VIENNA. Same in every respect as earliest White Vienna, except in the outside color.

Pkt., 10c; oz., 30c.

MUSTARD

35-40 Days

Pkt.	Oz.
10c	15c

CULTURE—Sow the seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow 50 feet of row.

FORDHOOK FANCY (Ostrich Plume). A handsome, vigorous growing, mild variety, standing a long time before going to seed; leaves bright green, intensely curled and fringed on the edges; fine for salads and garnishing.

SOUTHERN GIANT CURLED. Plant vigorous and hardy, of upright, spreading growth; leaves 6 inches long by 3 inches wide, light green, tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South.

MUSTARD SPINACH (Tendergreen). An oriental type of mustard greens sold in the South under many confusing names. A desirable quick growing, tender variety, with long, broad, fairly smooth leaves and white midribs; slow to seed.

WHITE LONDON. Plant of rapid, upright growth, soon going to seed; leaves rather small and smooth, deeply cut or divided; color deep green; seed large, light yellow.



White
Spine

CUCUMBERS

Pkt. 10c	Oz. 20c
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Do not plant until soil becomes thoroughly warm. Cover seed $\frac{1}{2}$ -inch, plant in hills 3 feet apart, rows 5 feet, 6 to 8 seeds, thin to 3 or 4. 1 oz. will plant about 100 hills. 2 lbs. to acre. Apply one level tablespoonful of Vigoro to each hill, mixing it thoroughly with soil before planting seeds.



SURECROP HYBRID CUCUMBER

The Bronze Medal All-America award for 1951 was given this cucumber. It is a White Spine type and matures in about 58 days. Fruits are blunt-ended and slender measuring about 8 to 9 inches long by $2\frac{1}{2}$ inches in diameter and holds its dark green color quite well after gathering. Flesh is tender, white, crisp and has a good flavor. Vine is vigorous with large leaves and it bears over a long period. It is exceptional in its growing habit and is resistant to mosaic and downy mildew. Pkt., 25c.

SNOW'S PERFECTED PICKLE. 52 Days. The most symmetrical, best formed and productive pickling sort; early, small, square ended and deep green.

LONG GREEN, IMPROVED. 70 Days. A standard late, well-known table sort; 12 to 14 inches long, slender, more or less warted, tapering towards the stem end; color dark green, flesh white and firm.

WHITE SPINE, IMPROVED EARLY (Arlington). 65 Days. One of the very earliest and best known of the White Spines; a short, square ended, rather three-cornered type; very productive; fine for slicing or pickles; medium green color.

LETTUCE

ICEBERG. All of the Crisphead Lettuces are good in warm weather. Iceberg is the earliest of the class and makes very large solid heads of crisp, incurved, light green leaves.

GREAT LAKES. This desirable, crisp, sure heading variety is especially valuable for home or market gardeners. Has a medium size solid head. Pkt., 10c; oz., 30c.

EARLY CURLED SIMPSON. 50 Days. A large, loose-leaved sort. Leaves broad, crumpled, and well frilled at the edges. Color, light green.

BLACK SEEDED SIMPSON. 50 Days. A popular loose-leaved sort of excellent quality. A fine early home garden sort. Leaves broad, blistered and crumpled.

GRAND RAPIDS FORCING. 50 Days. The favorite loose-leaf forcing sort and an excellent outdoor sort. Large, beautiful leaves, very crisp and tender.

BIG BOSTON. 75 Days. Heads large and compact. Color, light green, slightly tinged reddish brown. Heart greenish white tinged with yellow.

SALAD BOWL LETTUCE. 1952 All-America Gold Medal award. Is a loose-leaved variety with rich green leaves, fine texture and extremely high in quality. Slow to bolt and a rapid grower. Is fine for both home and market trade. Pkt., 15c.

NEW YORK (Wonderful). 80 Days. A very large, late, globular heading variety; leaves broad of thick texture, fairly blistered and crumpled, and the borders frilled; color clear dark green; quality good. Pkt., 10c; oz., 25c.

LETTUCE

$\frac{1}{2}$ Ounce to 100 Feet

Drill. Pkt., 10c,

Oz., 20c

Except as Noted.

CULTURE—For an early crop sow under glass in February and transplant on a well prepared bed, in some sheltered corner, in April. For successive crops sow in beds of well pulverized soil in March and at intervals of about a fortnight until the end of May.

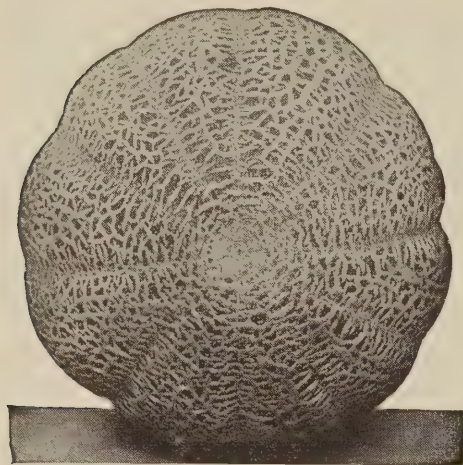
IMPROVED HANSON. Loose heads of crumpled light green leaves. A reliable summer lettuce for home gardens.



Salad Bowl Lettuce

★ **Star
Brand** ★

MELONS

★ **For Home Use
and Market ...** ★**Hale's Best Cantaloupe**

ICE BOX WATERMELON

A very early and hardy melon measuring about 6 inches in diameter. Flesh is red and of very excellent flavor. Rind dark green with faint striping. Will go into refrigerator without cutting. Pkt., 10c; oz., 20c.



CONGO

Winner of All-America Bronze Medal for 1949. This watermelon is resistant to anthracnose, very prolific, large in size with tough rind. Flesh sweet and has a fiery red heart. Pkt., 20c.

BLACKLEE

A variety that is wilt-resistant, oval shaped and smooth. Flesh brilliant red and seeds black. Cuts solid, of fine texture, slightly crisp, very sweet. Its dark green colored rind is very hard and tough, making it a good keeper, well suited for home use. 30 to 35 pounds. Pkt., 10c; oz., 20c.

Use STAR BRAND SEEDS



**The War Against Hunger
Is Not Over.**

WATERMELONS

Pkt.	Oz.
10c	15c

Except as Noted.

CULTURE—Treat as for muskmelons, but give more room, 10 to 12 feet apart each way. Watermelons require a fertile soil and respond well to Vigoro. Mix one level tablespoonful of Vigoro thoroughly with soil in each hill before planting seeds. When melons are the size of jelly beans apply one level tablespoonful of Vigoro around each plant about 6 inches from stems, keeping it off leaves and stems. 1 oz. of seed plants 20 hills; 4 lbs. per acre. Plant early in May or for later use, in June.

DIXIE QUEEN. A leader for home gardens, local markets, and for shipping. Fruits nearly round with light and dark green stripes; thin, tough rind; flesh deep scarlet, crisp and sweet. Medium to large size, and very uniform. The few seeds are white.

IRISH GRAY. Free from hard centers and strings, very firm, and does not break when sliced. Matures in about 90 days. Greenish gray color; does not sunburn.

TOM WATSON. Immensely popular because there is delicious sweetness. The flesh is rich red, crisp and tenderly melting. Reaches the size of 24 to 28 inches in length, and 12 to 14 inches in diameter. It has a mottled, dark green rind, thin, but tough enough to stand shipping.

HALBERT HONEY. The melons are oblong in form, skin is smooth, of dark green color, thin, and rather brittle; on this account the melons do not stand shipping well. But for home use, they are excellent.

KLECKLEY SWEET. Well named, for the flesh of this melon is sweet as honey. The rind is dark green, and only about one-half inch thick. Seeds are white, lying close to the rind, leaving a large solid heart.

SWEETHEART. Vine vigorous and productive. Fruit large, rounded or slightly oblong; skin pale green, with bands of deeper color, flesh red, melting and very sweet.

STONE MOUNTAIN. A very fine melon, especially popular in the southern states, where the fruits frequently weigh 50 to 80 pounds. The flesh is solid, bright scarlet in color, has few seeds, and is very sweet.

BLACK DIAMOND or CANNONBALL. The largest melon of good quality. Good for shipping and for home gardens. Dark green, solid pink flesh. Vigorous and productive. Pkt., 10c; oz., 20c.

GOLDEN HONEY. The best of the yellow fleshed melons. It is oblong in shape and the average weight is 20 pounds. The rind is dark green with irregular stripes of darker green. Edible in 90 days.

For dusting
melons and
cucumbers
use
**ROTENONE
DUST**

MUSKMELONS

Pkt.	Oz.	¼ Lb.
10c	20c	60c

CULTURE—Muskmelons grow best in light soil. Plant in hills about 6 feet apart after mixing one level tablespoonful of Vigoro thoroughly with soil in each hill. Sow about a dozen seeds in every hill early in May, and when started, thin out to 3 or 4 of the strongest plants.

ROCKY FORD. 95 Days. This is the most popular of the basket melons; oval, light ribbed, densely covered with coarse green netting, flesh thick, green and sweet, highly flavored.

HEARTS OF GOLD 90 Days. Fruit round, with tendency to heart shape, flesh very thick, deep salmon color and of high quality.

HACKENSACK. 95 Days. Fruit large, round, flattened at the ends, deeply and irregularly ribbed, coarsely and heavily netted; flesh green, thick and of fine quality.

BANANA CANTALOUPE. 100 Days. Shaped somewhat as name indicates; grows about 2½ feet long; flesh deep salmon color.

HALE'S BEST. 85 Days. Early; are oval in shape, about 6 in. long by 4½ in. in diameter, with heavy netting and fairly distinct ribbing. Flesh exceptionally thick and deep salmon in color.



GOLDEN DELIGHT MUSK-MELON. Merits a 1952 Bronze Medal. Fruits are elongated, 4 to 5 by 5 to 7 inches with salmon or orange thick flesh. Tapering somewhat at blossom end with wide, shallow ribs. Pkt., 25c.

OKRA or GUMBO

Pkt.	Oz.	¼ Lb.
10c	15c	40c

CULTURE—Sow after soil is warm in rows 3 feet apart, 18 inches apart in the row. The pods are used for soups and stews. The pods should be gathered while still young and tender, before the woody fiber develops.

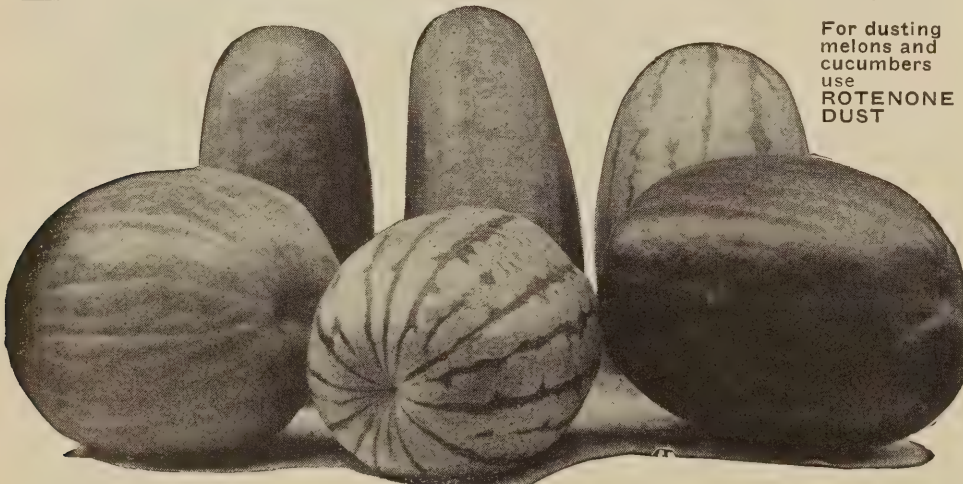
CLEMSON SPINELESS. 55 Days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod.

DWARF GREEN PROLIFIC. 50 Days. 2½ to 3 ft. tall. A dwarf, compact plant with many branches. Pods long, deep green, slightly corrugated and very thickly set on the plant; fine quality. Very productive.

LONG GREEN. Very early and productive. Plant 3 feet high; pods bright green, 7½ inches long, straight, slender, pointed and slightly corrugated; a desirable market variety.

WHITE VELVET. Grows 3½ feet high; is early and productive. Pods are creamy white, long, smooth, slender, and tender.

LOUISIANA GREEN. 55 days. A round podded, green, spineless Okra. Very prolific and stays tender over a long period. Pods measuring 6 to 7 inches long.



★ **Star Brand**
Vegetables

★ ONIONS ★

A Healthful Food . . .
Eaten Cooked or Raw ★

Pkt.
10c

ONION SEED

Oz.
40c

CULTURE—Sow as early in the spring as ground can be worked, in drills 15 inches apart, covering 1-inch deep. One ounce for 300 feet of drill; 4 to 5 pounds per acre. About 750 seeds to the packet.

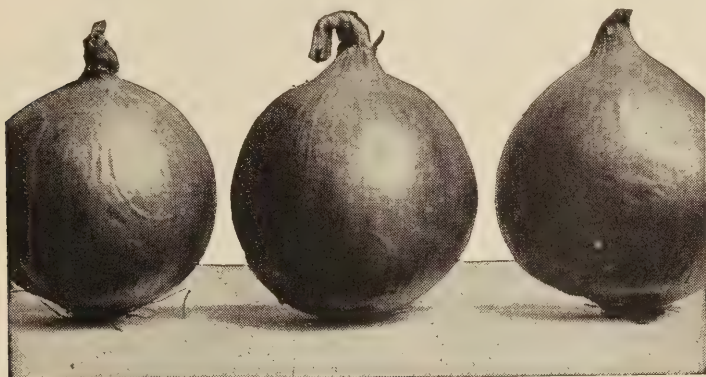
LARGE RED WETHERSFIELD. 110 Days. One of the oldest and best known types of onion. A fine, large, rather flat sort of a deep purplish-red color; noted for its productiveness and keeping qualities; used largely in the production of onion sets.

SOUTHPORT LARGE RED GLOBE. 130 Days. The finest type and most popular of the red onions. The bulbs are distinctly globe-shaped with a small neck, and are excellent keepers; color a deep purplish-red.

PRIZETAKER. 100 Days. One of the largest onions grown and the mildest; is productive and a sure cropper; bulbs are globe-shaped and of a light straw color.

YELLOW GLOBE DANVERS. 110 Days. Bulbs medium large, round, yellow, firm and solid. Flesh white, with slight yellow tone.

SOUTHPORT WHITE GLOBE. 110 Days. Of the true Southport Globe form with a thin, delicate skin of purest paper whiteness; flesh is very crisp, fine-grained, snowy-white in color and exceedingly mild.



Southport Red Globe

PARSLEY

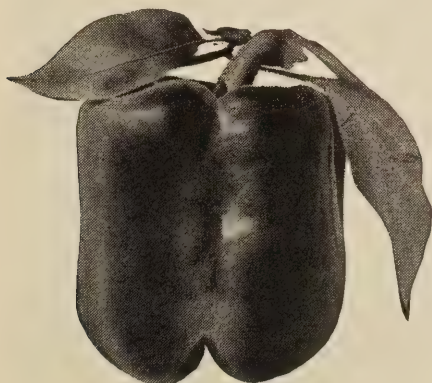
1 Oz. to 100 Feet Drill.

Pkt.	Oz.	¼ Lb.
10c	15c	50c

Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing; also for ornamental border in the flower garden; succeeds best in rich, mellow soil. As the seeds germinate very slowly, three or four weeks sometimes elapse before it makes its appearance. It should be sown early in the spring.

CHAMPION MOSS CURLED. This is a vigorous, compact growing variety, excellent for garnishing and flavoring, and a handsome decorative plant. Leaves very finely cut and so closely crimped or curled as to resemble bunches of moss.

EXTRA TRIPLE CURLED. Very finely curled variety of dark green color. One of the best varieties for all purposes.



California Wonder

PEPPERS

1 Oz. Will Produce About 2,000 Plants.

Pkt.	Except as Noted.	Oz.
10c		45c

CULTURE—Sow in hotbeds in March or April; transplant in open ground when all danger from frost is over, in rows 3 feet apart and 2 feet apart in row.

LARGE BELL or BULL NOSE. 120 Days. Large, mild, thick-fleshed variety. One of the best for stuffed pickles.

CHINESE GIANT. 130 Days. Plant of short, stocky growth, with light green foliage; fruits pendent, thick, blocky and square ended, 4 to 5 inches in diameter and of equal length; color radiant glossy scarlet. Pkt., 10c; oz., 50c.

CALIFORNIA WONDER. 120 Days. Resembles Chinese Giant in the large size and "blocky" form of its fruits, but having an extremely thick flesh not possessed by that variety. Fruit upright, crimson, measuring 4½ in. in length by 4 in. in diameter, mild and sweet.

RUBY GIANT. A cross between the Ruby King and the Chinese Giant, having the good qualities of both. The peppers are of very large size and so sweet and mild that they can be eaten raw. The flesh is very thick and when ripe is of a deep red color; matures early.

RUBY KING. 110 Days. Very large, sweet and solid, bright scarlet.

PIMENTO. 110 Days. A very thick-fleshed, heart-shaped, smooth, mild, crimson variety, much used for salads; fruit pendent; 3½ in. long by 2½ in., greatest diameter; rather late in season.



VINEDALE PEPPER. A 1952 Bronze Medal was given this extra early, dwarf growing, medium sized red, sweet pepper.

Fruits are thick walled, measuring 4 by 2 inches with blunt ends. May be used in either green or red stages. Pkt., 25c.

BERMUDA ONION PLANTS

We can furnish the genuine Crystal White Wax and Yellow Bermuda and Sweet Spanish. Ask for prices.

ONION SETS

Tops, 28 lbs. per bu.; bottoms, 32 lbs. per bu. It takes 8 bu. to set an acre.

Price on application for the following varieties:

RED WETHERSFIELD	YELLOW GLOBE
WHITE SILVERSKIN	WINTER TOPS



Small Sugar Pumpkin

PARSNIPS

CULTURE—Sow the seed thickly in rows 1½ to 2 feet apart as early in the spring as the ground can be worked. Give frequent and thorough cultivation. When the plants are well up thin 4 to 6 inches in the row. Seed can be sown from February to May.

LARGE SUGAR or HOLLOW CROWN. The market gardener's favorite. Considered the best for general culture. Pkt., 10c; oz., 15c; ¼ lb., 50c; postpaid.

POP CORN (Shelled)

JAPANESE HULLESS. A dwarf growing corn. Heavy yielder. Pkt., 10c, postpaid.

S. AMERICAN. Fine yellow variety. Pkt., 10c, postpaid.

HYBRID YELLOW POP CORN. Heavy yielder. Pkt., 15c.

(Write for prices on larger quantities.)

PUMPKINS

Pkt., 10c

CULTURE—After danger of frost is over, plant the seed in hills 8 to 10 feet apart each way, dropping about a dozen seeds in a hill. The soil should be made as rich as possible. If planted with corn, 2 or 3 seeds a rod apart each way will be sufficient. When danger from bugs is past, thin to 3 plants to a hill. Use 3 to 4 pounds of seed per acre; ¼ pound for 75 hills.

LARGE CHEESE or KENTUCKY FIELD. Large, round flattened fruits, much ribbed and creamy buff in color; flesh yellow, very deep and of fine quality; one of the best canning sorts.

KING OF THE MAMMOTH. The giant among pumpkins. Often weigh over 100 pounds. Salmon skin. Flesh bright yellow, fine-grained and of good quality.

CUSHAW, STRIPED. Of the crookneck type with mottled green and white stripes; fruit will weigh from 10 to 15 pounds; flesh yellow, very solid and fine grained.

TENNESSEE SWEET POTATO. Pear-shaped, skin and flesh a creamy white. Flesh thick and when cooked resembles sweet potatoes.

SWEET or SUGAR (New England Pie). Fruits small, round, flattened at the ends, and slightly ribbed; skin and flesh deep orange-yellow; flesh very thick and of high quality.

★ A Healthful Food the Year Around

★ PEAS ★

★ Star Brand Vegetables ★

GARDEN PEAS

Pkt.	1/2 Lb.	Lb.
15c	30c	50c

Sow Peas as early in the spring as the ground can be worked, in drills about 4 inches deep. The rows must not be nearer than 2 feet, except for the dwarf sorts. Those growing 3 feet high or more should not be nearer than 3 or 4 feet, and should have brush for their support. Avoid fresh manure and very rich soil, as they cause the vines to grow too rank. One pound will sow 40 feet of drill; 55 to 100 pounds for an acre, in drills 3 feet apart.

ALASKA. 56 Days. Very early, smooth, blue pea. Popular with canners and market gardeners for a first early sort. Height 2½ feet. Foliage and pods light green; pods 2½ inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity.

FIRST and BEST. Not quite as early as Alaska, but is prolific and hardy. Plant is 2½ feet high, producing medium sized pods well filled.

AMERICAN WONDER. 60 Days. One of the earliest of the green wrinkled sorts. Vine 10 to 14 inches high, dark green, fairly coarse. Very prolific. Pods of striking form, 2½ to 3 inches long, containing 5 to 8 tender sweet flavored peas. Dry seed, green, wrinkled.

CHAMPION OF ENGLAND. 78 Days. One of the richest, best flavored late peas; well known and popular. Height 4½ feet. Vine stout, deep green; pods, often in pairs, medium green, 3½ inches long, straight, nearly round and blunt ended, containing 8 light green peas; productive. Season following Telephone.

GRADUS or PROSPERITY. 62 Days. A standard, early large podded variety, very popular with market gardeners. Height 3 feet. Vine and foliage moderately heavy and medium green; pods medium green, 3¼ in. long, semi-round, straight, slightly curved at the tip, and pointed, containing 6 to 8 large, very sweet, medium green peas; moderately productive and of high quality.

MARROWFAT, LARGE WHITE. 80 Days. An old time smooth, round, white seeded pea, growing five feet in height. While immensely productive the quality is below the average. Pods light green, 3 inches long.

LITTLE GEM, PREMIUM. 65 Days. An improved and more dwarf strain of McLean's Little Gem. Height 1½ feet. Foliage dark green; pods light green 3 in. long, round, square ended and well filled with 6 to 8 light green peas of good quality; very productive.

LITTLE MARVEL. 64 Days. An extra fine dwarf sweet pea. Pods somewhat larger than Nott's Excelsior and same season. A fine variety for either private or market garden. Height 18 in. Foliage and pods very deep green; pods 3 in. long, nearly round and square ended, containing 7 very dark green peas of high quality.

NOTT'S EXCELSIOR. 60 Days. A standard, extra early dwarf pea. Height 1½ feet. Foliage medium green, stout and heavy; pods light green, 3 inches long, round, straight and blunt ended, containing 6 light green peas of high quality; productive.

TELEPHONE. 76 Days. A standard, high quality, large podded pea. Height 4½ feet. Vine and foliage strong and heavy, medium green. Pods 4½ in. long, medium green, straight, broad and pointed, containing 8 large, light green peas; main crop, productive.

THOMAS LAXTON. 65 Days: A very popular gardener's variety. Height 3 feet; vine and foliage moderately stout, medium green; pods medium green; 3½ inches long, straight, nearly round and square ended, containing 7 medium dark green peas of superior quality. Compared with Gradus is a little earlier, more productive, but with a smaller, less broad pod.

RADISHES

Pkt.	Oz.	1/4 Lb.
10c	15c	40c

★

CULTURE—To be tender and crisp radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the spring, sow at intervals of 10 days, in a light rich, deeply-worked soil. One ounce will plant 50 feet; 8 to 10 pounds one acre.

ICICLE. The Finest White Radish. An ideal white radish; long, slender root, which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

CRIMSON GIANT. 25 Days. Extremely large, but never pithy. One of the best for outdoor culture. Top is a little too large for a forcing sort; intermediate in season.

EARLY SCARLET TURNIP. 23 Days. A well known variety; very quick grower.

EARLY SCARLET TURNIP, WHITE TIPPED (Rosy Gem). 24 Days. Round, deep scarlet, shading to a white tip on the bottom; very early; used extensively both as a forcing and outdoor sort.

FRENCH BREAKFAST. 25 Days. Of oblong form, small and quick growing; color bright rose-scarlet, with small, white tip; good outdoors or under glass.

WHITE STRASBURG. 39 Days. Popular with market gardeners for summer use. Roots about 5 inches long, 1½ inches thick at the shoulder, tapering and smooth. Skin and flesh white, crisp and slightly pungent. Continues in marketable condition longer than most varieties.

WHITE VIENNA or LADY FINGER. 30 Days. Similar to White Icicle, but more slender and several days later. Roots 5½ to 6½ inches long, ½-inch thick, sleek, tapering; skin white, with tinge of green on the sloping shoulder.

VICK'S SCARLET GLOBE. 22 Days. It is one of the very earliest of the forcing radishes and does equally well outside; roots are of fair size, globe-shaped and with a very small top; always crisp and tender; color a bright scarlet.

SPARKLER. 20 Days. Deep scarlet with a pure white tip. In shape it is nearly round. Owing to its attractive color, and its extreme earliness it has long been a favorite for home use and market. The radish is solid, crisp and sweet, very good quality.

WINTER RADISHES

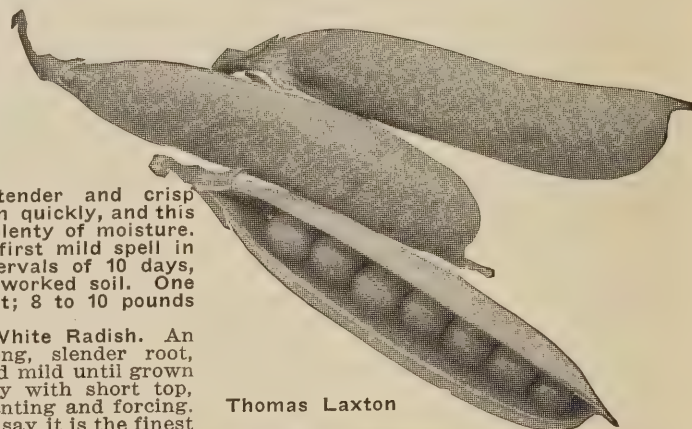
Sow in June and July

WHITE CHINESE or CELESTIAL. A beautiful, large, white radish grown very extensively by the market gardeners for fall and winter trade. Root is white, cylindrical, very firm and mildly flavored.

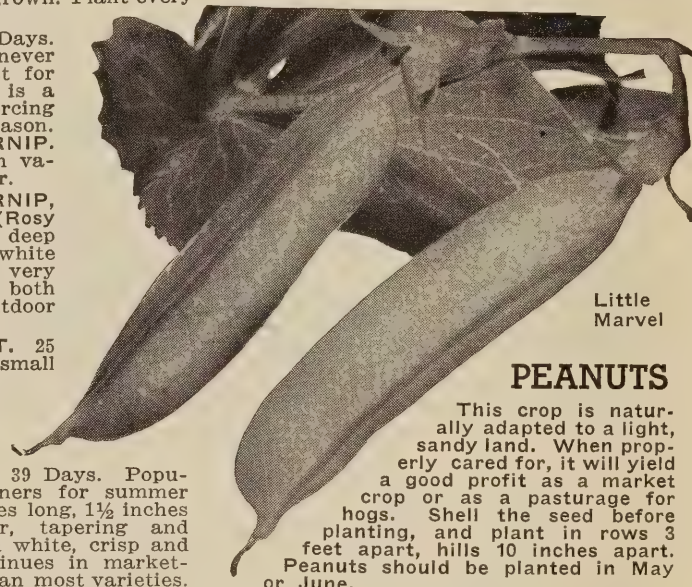
CALIFORNIA MAMMOTH WHITE. 60 Days. An excellent fall variety. Roots 7 to 8 inches long, 2 inches thick; cylindrical, and thickest at lower end; leaves large, light green; flesh white, crisp and not pungent.

ROSE CHINA WINTER. 52 Days. A popular, very distinct winter sort. Roots 4 to 6 inches long, 2 inches in diameter, cylindrical, but thicker at the lower end; blunt, smooth, bright rose-red in color; flesh white, very firm, and pungent.

FOR
PEAS, BEANS,
SWEET PEAS,
WE RECOMMEND



Thomas Laxton



Little Marvel

PEANUTS

This crop is naturally adapted to a light, sandy land. When properly cared for, it will yield a good profit as a market crop or as a pasturage for hogs. Shell the seed before planting, and plant in rows 3 feet apart, hills 10 inches apart. Peanuts should be planted in May or June.

	Lb.	5 lbs.
Tennessee Red	\$0.50	\$2.25
Virginia .....	.50	2.25
Spanish .....	.50	2.25
Jumbo .....	.50	2.25
	Postpaid	



Icicle Radish

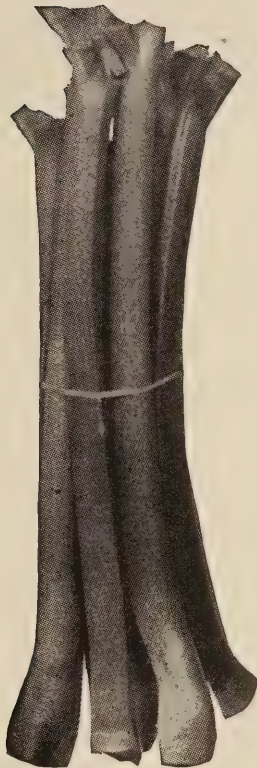
★ Star
Brand

SQUASH

For Home Table...
For Market Garden



Hubbard Squash



Victoria Rhubarb



Bloomsdale Long Standing

RHUBARB or PIEPLANT

Highly esteemed for pies, tarts, jelly and marmalade. Sow in drills 1 foot apart early in spring. In the fall or next spring transplant 3 feet apart in deeply dug, rich soil.

MAMMOTH VICTORIA. Largest, most productive variety. Large pkt., 10c; oz., 20c; ¼ lb., 70c.

RHUBARB ROOTS

Set in spring, they will furnish leaf stalks the following season.

VICTORIA. Large roots, each, 25c; doz., \$2.50; postage extra.

RUBY RED. Solid red variety all the way through. Excellent for pies and sauce. Strong divisions, each, 75c, postage extra.

SALSIFY or OYSTER PLANT

Pkt.	Oz.
10c	25c

CULTURE—Sow early in drills 18 inches apart and cover firmly 1-inch deep; thin to 3 inches apart in the drills. One ounce for 60 feet of drill; 7 pounds to one acre.

MAMMOTH SANDWICH ISLAND. 90 Days. A very superior strain, producing smoother, larger and more vigorous roots; foliage stronger. Roots similar to a slim Parsnip. Often called "vegetable oyster."

SEED SWEET POTATOES

Owing to the perishable nature of Sweet Potatoes, our responsibility ceases upon delivery to railroad company and receipted for in good condition.

Write for prices and varieties available. Plants ready for shipment about May 1.

SEED POTATOES

NORTHERN GROWN

Plant 8 bu. per acre.

SEED STOCK.

Write for prices and varieties available.

SPINACH

Pkt.	Oz.
10c	15c

We handle immense quantities of Spinach Seed for a critical market garden and truck farm trade. For a succession the seed may be sown early in April and again in May in drills 1 foot apart and 1 inch deep, properly thinning out when plants are an inch in the leaf. For the earliest spring crop, sow from first to middle of September, protecting the crop through the winter with a light covering of straw or leaves. One ounce for 100 feet of drill, 10 pounds for an acre of drills. Write for prices in large quantities.

BLOOMSDALE LONG STANDING. 39 Days. Nearly as early as the old strain and will stand two weeks longer before bolting to seed. Plants very uniform, leaves intensely crumpled and blistered, dark glossy green in color.

KING OF DENMARK. 46 Days. A fine long season Spinach, remaining longer than most varieties before bolting to seed. Plant vigorous and spreading; leaves large, rounded, fairly crumpled and blistered; dark green color.



AMERICA SPINACH. 1952 Silver Medal award. Has leaves that are

thick textured, glossy deep medium dark green. Plant grows 6 to 8 inches high with a 10 to 12-inch spread. Stands longer without bolting than other spinach varieties. Withstands heat and sun better and insures a longer cutting season.

MUSTARD SPINACH (Tender Greens). Large, thick-leaved variety from Japan, remaining tender both summer and winter. Popular in the South.

SQUASH

Pkt.	Oz.
10c	15c

CULTURE—Plant in hills, in well prepared ground, mixing plenty of well-rotted manure in each hill. Light soils are best suited for their growth. Plant six to eight seeds in each hill and thin out to three or four after they have made partial growth. Plant bush varieties from three to four feet apart each way, and the trailing sorts six to eight.

DELICIOUS. 115 Days. A fall and winter variety, medium size, top-shaped, dark green, flesh orange, very deep and delicious.

TABLE QUEEN. 58 Days. A squash fit for a queen. Cut in half and baked for twenty minutes, it is delicious. Wonderful producer. Fruits are from 6 to 8 inches long and 4 to 6 inches in diameter. Shell hard and smooth, dark green with sometimes a blotch of red at pointed end. Will keep as long as the Hubbard.

GIANT SUMMER CROOKNECK. 55 Days. The largest and one of the earliest summer varieties; fruits often 2 to 2½ feet long, very warty and deep orange in color.

EARLY WHITE BUSH SCALLOP. 60 Days. Very early summer squash; also known as Patty Pan.

EARLY YELLOW BUSH SCALLOP. 60 Days. A true bush. Earlier and smaller than the above.

BANANA. 120 Days. A prolific, oblong variety 2½ feet in length by 6 inches in diameter, having a gray-green shell, with irregular stripes and dashes of a darker shade, distinctly pointed at the blow end; solid, dry flesh with small seed cavity.

GOLDEN HUBBARD. 110 Days. Similar to the old Hubbard in form and habit, though smaller and decidedly earlier; shell moderately warted, rich orange-red; flesh deep orange, fine quality; good keeper.

IMPROVED HUBBARD. 120 Days. The standard Winter Squash. Shell moderately warted; deep dark bronze-green; flesh bright yellow, fine grained, thick and dry.

CHICAGO WARTED HUBBARD. 120 Days. Similar in quality and form to the Hubbard, but fruit larger and a little later.

SWEET POTATO. Fruit light yellow with green stripes, 6 to 8 inches long and thick flesh.

TOBACCO

CULTURE—A very clean piece of land is best for tobacco. It is customary to burn a piece of land in the woods for plant beds. This destroys grass, weeds, and insects, adds fertility through the action of the wood ashes, and leaves the ground in good order. The seed are sown about February and protected by plant-bed cloth to keep off tobacco flies. When large enough and weather is settled (about June) set the plants out in highly manured or fertilized soil in 3½-foot rows, 3 feet between the plants. Constant care must be given, cultivating, suckering, worming, etc. Methods of curing differ according to the variety and color; 1 ounce sows 50 square yards, sufficient to set 2 or 3 acres.

JUDY'S PRIDE. This type of White Burley is the best of any variety grown in this section. Makes the largest yield and the highest grade of leaf, which is much superior to that grown in other sections. Good, bright leaf, small stem and wonderful flavor. Pkt., 10c; oz., 60c; postpaid.

The following varieties are old standards: Red and White Burley, Missouri Broadleaf, Yellow Prior. Pkt., 10c; oz., 60c; postpaid.

★ **Healthful Eaten** ★
Cooked or Raw

TOMATOES

★ **Star Brand** ★

Our Improved Tomato Seed Is Grown Strictly for Seed Purposes Only. They Are Not a Hit and Miss Lot of Seed from some Canning Factory.

TOMATOES

Pkt., 10c.

Except as noted.

CULTURE—One ounce of seed will produce from 2,000 to 3,000 plants. Sow the seed in hotbeds during March. When the plants are 2 inches high transplant into cold frames, plant boxes, paper pots or earth bands. After all danger of frost is over, set these plants into the open ground. The soil should be warm, mellow and fertile. Set plants 4 feet apart each way. Cultivate often and as long as the plants permit. By training the tomato vines on trellises or tying to stakes, the fruit will ripen better and be of finer flavor. A wire fence is a good support. When frost is feared in the fall, pull the laden vines and hang in a shed or cellar and many will continue to ripen. When transplanting, mix one level teaspoonful of Vigoro thoroughly with soil in which plant is to be set. When flowering starts, apply one level tablespoonful of Vigoro within 6-inch circle around plant, keeping it off stems and leaves. Repeat application every two to three weeks.

1 oz. to 2,000 plants.

Set 3 feet apart takes 4,840 plants per acre.

Set 4 feet apart takes 2,723 plants per acre.

STONE. 86 Days. The standard and general favorite with truckers and canners; always dependable, very vigorous and productive; fruits round, large, solid, smooth and deep red in color.

GREATER BALTIMORE. 82 Days. A heavy fruit bearing variety; earlier and more productive than the Stone. Fruits large, solid, round, red and free from blemish. Ideal for canning or the garden.

MARGLOBE. 79 Days. Earliest wilt resistant variety. This fine tomato is the result of a crossing of the Early Marvel with the fine flavor and form of the Globe. The meat is solid, has very few seeds, non-acid and has a rich red color, is excellent for local market and is one of the leading canning varieties.

EARLIANA (Sparks). 64 Days. The earliest and best of the very early tomatoes; very productive for an early sort; fruit of fair size, round, very smooth and solid, and produced in clusters in center of the plant; color bright scarlet.

COPPER A COMPOUND. For control of blight on tomatoes. 6-lb. bag, \$2.70. Postage extra.

TWINE. For tying tomatoes. 1/2-lb. ball, 35c each.

TOMATOES

VALIANT. 68 Days. Fruits firmer and better quality than Earliana. Bright scarlet.

STOKESDALE. 70 Days. Fruits larger and more solid than Bonny Best. Brilliant red.

RUTGERS. 75 Days. Globe shaped, small seed cavity. Ripens from the inside out. One of the heaviest croppers; recommended for canning and juice.

CHALK'S JEWEL. 74 Days. An exceptionally fine variety, about ten days later than Earliana; fruit uniformly smooth, round and solid; color crimson.

CRIMSON CUSHION or **ENORMOUS.** 90 Days. The largest of the bright red tomatoes; really a Red Ponderosa.

JOHN BAER. 70 Days. An early, productive red tomato on the order of Chalk's Jewel. We have a splendid, uniform stock of this variety.

JUNE PINK. 70 Days. In habit of growth, productiveness and size of fruit identical with Earliana, differing only in having purple fruit; the best extra early purple variety.

OXHEART. 100 Days. The largest of all tomatoes, purple fruits often weighing up to a pound and a half. Of distinct "ox-heart" form, very solid, with few seed cells.

PONDEROSA. 90 Days. An exceptionally large, purple-fruited tomato, and for home use one of the best; fruit very solid, with few seeds.



URBANA TOMATO

Honorable Mention was the All-American award for 1951 given this smooth red, globe shaped variety. Has medium sized fruits with attractive rich scarlet red flesh. Plants are of compact, bushy type and are adapted to rather close planting. It develops a heavy set of fruits usually under good foliage protection from sunscald. It is resistant to Fusarium wilt and matures about the same as Stokesdale but has a better interior color. Is adapted to soils of high nitrogen content where there is danger of excessive vine growth. 25c per packet



Greater Baltimore

Pkt. 10c **TURNIPS** Oz. 15c

CULTURE—For early use sow very thinly in March or April in drills from 12 to 15 inches apart; thin out to 6 inches in the rows. For fall or winter crop, sow in July and August. The old say: "On the 20th of July, sow your Turnips, wet or dry," is good advice and sow very sparingly—one seed to the inch is enough. The Rutabagas are grown for feeding stock, and are also excellent for table. One ounce will sow 150 feet of drill; 1 to 1 1/2 lbs. to the acre.

PURPLE TOP WHITE GLOBE. Almost a perfect globe in form; flesh and skin white, colored purple or red, above ground; very fine grained and sweet; a superior variety.

PURPLE TOP STRAP LEAVED. The most widely cultivated and best known variety; a very early, productive sort; roots are flat, medium sized, purple or dark red above ground, white below; flesh white, tender and fine grained.

POMERANIAN WHITE GLOBE. One of the largest and most productive; roots often grow to weigh 10 to 12 pounds, are globe shaped, slightly flattened; skin smooth and white; for stock feeding.

AMBER GLOBE (Green Top). One of the best yellow-fleshed sorts; roots globular and of large size; skin clear yellow except the top, which is tinted green.

OUR COMPLETE LINE OF STANDARD GARDEN SEEDS

CAN BE ORDERED IN PACKETS OR BULK. WRITE FOR PRICES IN LARGE QUANTITIES.
ALL GARDEN SEED POSTPAID.

BUSH BEANS—Green Pods	Pkt.	1/2 Lb.	Lb.
Bountiful	.15	.35	.55
Burpee's Stringless	.15	.35	.55
Commodore (Dw Ky Won)	.20	.45	.75
Contender	.15	.40	.65
Dwarf Horticulture	.15	.35	.55
Early Yellow Six Weeks	.15	.35	.55
Full Measure	.15	.35	.55
Giant Green Pod Stringless	.15	.35	.55
Imp. Round Red Valentine	.15	.35	.55
Landreth's Stringless	.15	.35	.55
Logan	.15	.40	.65
Ranger	.15	.40	.65
Red Kidney	.15	.35	.55
Rival	.15	.40	.65
Tender Green Stringless	.15	.35	.55
Tennessee Green Pod	.15	.35	.55
Tender Pod	.15	.40	.65
Top Crop	.15	.40	.65

BUSH LIMA	Pkt.	1/2 Lb.	Lb.
Burpee's Bush Lima	.15	.35	.55
Fordhook Bush Lima	.15	.35	.55
Henderson's Bush Lima	.15	.35	.55
Speckled Jackson Wonder	.15	.35	.55

WAX BEANS	Pkt.	1/2 Lb.	Lb.
German Black Wax	.15	.35	.55
Golden Wax	.15	.35	.55

WAX BEANS—Continued	Pkt.	1/2 Lb.	Lb.
Kentucky Wonder Wax	.15	.35	.55
Pencil Pod Wax	.15	.35	.55

BEANS—Pole or Running	Pkt.	1/2 Lb.	Lb.
Dutch Case Knife	.15	.35	.55
Horticulture Pole	.15	.35	.55
Kentucky Cut Short	.15	.35	.55
Kentucky Wonder	.15	.35	.55
Lazy Wife	.15	.35	.55
Missouri Wonder	.15	.35	.55
Striped Creaseback	.15	.35	.55
White Creaseback (Blue Lake)	.15	.35	.55
White Kentucky Wonder	.15	.35	.55
Navy (Seed Stock)	.15	.35	.55
Pinto (Seed Stock)	.15	.35	.55
Great Northern (Seed Stock)	.15	.35	.55

BEANS—Pole Lima	Pkt.	1/2 Lb.	Lb.
Giant Poddied Speckled Lima	.15	.35	.55
or Christmas	.15	.35	.55
King of the Garden	.15	.35	.55
Large White Lima	.15	.35	.55
Sieva Lima	.15	.35	.55
Speckled Florida Butter	.15	.35	.55

PEAS	Pkt.	1/2 Lb.	Lb.
Alaska, 2-foot	.15	.30	.50
American Wonder, 10-inch	.15	.30	.50

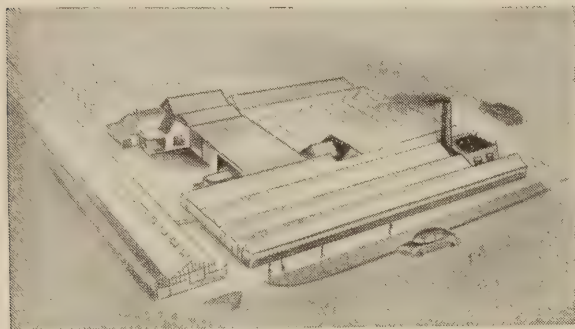
PEAS—Continued	Pkt.	1/2 Lb.	Lb.
Champion of England, 5-ft.	.15	.30	.50
Extra Early, 2-foot	.15	.30	.50
First and Best, 2-foot	.15	.30	.50
Gradus, 3-foot	.15	.30	.50
Lg. White Marrowfat, 5-ft.	.15	.30	.50
Laxtonian, 20-inch	.15	.30	.50
Laxton's Progress, 18-inch	.15	.30	.50
Little Gem, 18-inch	.15	.30	.50
Little Marvel	.15	.30	.50
Not's Excelsior, 15-inch	.15	.30	.50
Telephone, 4-foot	.15	.30	.50
Thomas Laxton, 3-foot	.15	.30	.50
Dwf. Grey Sugar Edible Pod	.15	.30	.50
Tall Melting Sugar Edible Pod	.15	.30	.50

SWEET CORN—Northern Grown	Pkt.	1/2 Lb.	Lb.
Adam's Early	.15	.30	.50
Adam's Extra Early	.15	.30	.50
Country Gent. Shoe Peg	.15	.30	.50
Country Gent. Hybrid	.20	.40	.70
Early Evergreen	.15	.30	.50
Golden Bantam	.15	.30	.50
Golden Cross Bantam	.20	.35	.60
Golden Giant	.15	.30	.50
Stowell's Evergreen	.15	.30	.50
Stowell's Evergreen Hybrid	.20	.40	.65
Trucker's Favorite	.15	.30	.50

POP CORN	Pkt.	Oz.	LETTUCE-Continued	Pkt.	Oz.	RADISH-Continued	Pkt.	Oz.
South American	.10		Great Lakes	.10	.30	White Vienna or Lady Finger	.10	.15
Yellow Hybrid	.15		Hanson Improved, Head	.10	.20			
			Iceberg	.10	.20			
ASPARAGUS			New York Wonderful	.10	.25	RADISH-Winter Varieties		
Mary Washington	.10	.20	Prize Head	.10	.20	Calif. White Winter	.10	.15
						China Rose Winter	.10	.15
BEETS			MUSK MELON			Chinese White	.10	.15
Crosby's Egyptian	.10	.20	Banana	.10	.20			
Detroit Perfected	.10	.20	Early Hackensack	.10	.20	RHUBARB		
Detroit Dark Red Turnip	.10	.20	Extra Large Hackensack	.10	.20	Victoria	.10	.20
Early Blood Turnip, Imp.	.10	.20	Hale's Best	.10	.20			
Early Wonder	.10	.20	Hearts of Gold	.10	.20	SALSIFY		
Edmonds Blood Turnip	.10	.20	Honey Dew	.10	.20	Mammoth Sandwich Island	.10	.25
Swiss Chard, Lucullus	.10	.20	Rocky Ford	.10	.20			
						SPINACH		
MANGEL WURZEL			WATERMELON			Bloomsdale, Savoy Leaved	.10	.15
Golden Tankard	.10	.20	Alabama Sweet	.10	.15	Bloomsdale, Long Standing	.10	.15
Mammoth Long Red, Imp.	.10	.20	Black Diamond	.10	.20	Giant Nobel	.10	.15
			Blacklee	.10	.20	Japanese Mustard Spinach	.10	.15
BROCCOLI			Congo	.20		King of Denmark	.10	.15
Green Sprouting	.10	.30	Dixie Queen	.10	.15	New Zealand	.10	.15
			Early Kansas	.10	.15			
BRUSSELS SPROUTS			Florida Giant	.10	.20	SQUASH		
Long Island Imp.	.10	.30	Georgia Rattlesnake	.10	.15	Banana	.10	.15
			Golden Honey (Yellow)	.10	.15	Chicago Warty Hubbard	.10	.15
CABBAGE-Early Sorts			Halbert Honey	.10	.15	Giant Summer Crookneck	.10	.15
All Season	.10	.30	Halbert Honey, Certified	.10	.20	Golden Hubbard	.10	.15
Charleston or Large Wakefield	.10	.30	Ice Box	.10	.20	Hubbard	.10	.15
Chinese Cabbage Chihli	.10	.30	Irish Gray	.10	.15	Straightneck	.10	.15
Chinese Cabbage, Pe-Tsai	.10	.30	Irish Gray, Certified	.10	.20	Sweet Potato	.10	.15
Chinese Cabbage (Wong Bok)	.10	.30	Kleckley's Sweet	.10	.15	Table Queen	.10	.15
Copenhagen	.10	.30	Kleckley's Sweet, Certified	.10	.20	White Bush	.10	.15
Early Dwarf Flat Dutch	.10	.30	Stone Mountain	.10	.15	Winter Crookneck	.10	.15
Ex. Early Jersey Wakefield	.10	.30	Stone Mountain, Certified	.10	.20	Yellow Bush	.10	.15
Golden Acre	.10	.30	Sweetheart	.10	.15	Zucchini	.10	.15
Jersey Queen	.10	.30	Tom Watson	.10	.15			
			Tom Watson, Certified	.10	.20	TOBACCO		
CABBAGE-Late Sorts			MUSTARD			Judy's Pride	.10	.60
Premium Late Flat Dutch	.10	.30	Chinese Curled	.10	.15	Missouri's Broad Leaf	.10	.60
Red Dutch	.10	.30	Giant Southern Curled	.10	.15	Red Burley	.10	.60
			Japanese	.10	.15	Yellow Pryor	.10	.60
CARROTS			Ostrich Plume	.10	.15			
Chantenay	.10	.20	White	.10	.15	TOMATO		
Danver's Half Long	.10	.20	Florida Broadleaf	.10	.15	Greater Baltimore	.10	.25
Long Orange	.10	.20				New Stone	.10	.25
Nantex	.10	.20	OKRA			Marglobe	.10	.25
New Bunching	.10	.20	Long Green	.10	.15	Marglobe Certified	.10	.40
New Coreless	.10	.20	White Velvet	.10	.15	Beefsteak	.10	.50
Oxheart	.10	.20	Clemson Spineless	.10	.15	Bonny Best	.10	.40
Tendersweet	.10	.20	Dwarf Green	.10	.15	Break O'Day	.10	.50
			Louisiana Green	.10	.15	Chalk's Early Jewel	.10	.40
CUCUMBER			ONION			Crimson Cushion	.10	.50
A-C	.10	.20	Bermuda Crystal White Wax	.10	.40	Detroit	.10	.50
Boston Pickling	.10	.20	Bermuda Yellow	.10	.40	Dwarf Stone	.10	.50
Chicago Pickling	.10	.20	Large Red Wethersfield	.10	.40	Golden Queen	.10	.50
Davis Perfect	.10	.20	Southport Red Globe	.10	.40	Gulf State Market	.10	.50
Earliest of All	.10	.20	Southport White Globe	.10	.40	John Baer	.10	.50
Early Cluster	.10	.20	Sweet Spanish White	.10	.40	June Pink	.10	.50
Early Fortune	.10	.20	Sweet Spanish Yellow	.10	.40	Oxheart	.10	.75
Evergreen White Spine	.10	.20	White Portugal or Silver Skin	.10	.40	Pear Shaped, Red	.10	.50
Gherkin	.10	.20	Yellow Danvers Globe	.10	.40	Pear Shaped, Yellow	.10	.50
Japanese Climbing	.10	.20	PEPPER			Ponderosa	.10	.50
Longfellow	.10	.20	California Wonder	.10	.45	Ponderosa, Yellow	.10	.75
Long Green Improved	.10	.20	Cayenne, Small	.10	.45	Pritchard or Scarlet Topper	.10	.40
Snow's Perfection	.10	.20	Cayenne, Long Red	.10	.45	Rutger's	.10	.25
Straight Eight	.10	.20	Chinese Giant	.10	.50	Rutger's Certified	.10	.40
White Wonder	.10	.20	Golden Queen	.10	.45	Spark's Earliana	.10	.40
			Large Bell or Bull Nose	.10	.45	Stokesdale	.10	.40
CAULIFLOWER			Pimento	.10	.45	Valiant	.10	.40
Early Snowball	.15		Red Cherry	.10	.45	Yellow Plum	.10	.50
			Red Chili	.10	.45			
CELERIAC			Ruby Giant	.10	.45	TURNIP		
Turnip Rooted	.10	.40	Ruby King	.10	.45	Amber Globe	.10	.15
			World Beater	.10	.45	Early Flat White Dutch	.10	.15
CELERY			Sunnybrook	.10	.45	Extra Early Purple Top Milan	.10	.15
Giant Pascal	.15	.40	PARSLEY			Extra Early White Top Milan	.10	.15
Golden Self Bleaching	.15	.40	Moss Curled	.10	.15	Pomeranian White Globe	.10	.15
White Plume	.15	.40	Triple Curled	.10	.15	Purple Top Strap Leaf	.10	.15
			PARSNIP			Purple Top White Globe	.10	.15
COLLARDS			Hollow Crown	.10	.15	Seven Top	.10	.15
Georgia	.10	.20	PUMPKIN			Shogoin Louise Resistant	.10	.15
EGG PLANT			Common Field, Stock	.10	.15	Yellow Globe	.10	.15
Black Beauty	.10	.50	Japanese Pie, for pies	.10	.20			
New York Improved	.10	.50	Jonathan, for pies	.10	.20	RUTABAGA or SWEDISH TURNIP		
			Kentucky Field Stock	.10	.15	American Purple Top	.10	.15
ENDIVE			King of Mammoth, for pies	.10	.20			
Green Curled Mammoth	.10	.20	Large Cheese, all purpose	.10	.15	SWEET PEAS		
Broad Batavian	.10	.20	Small Sugar, for pies	.10	.20	Choice Mixed	.10	.25
			Striped Cushaw, for pies	.10	.20	Spencer Mixed	.10	.25
KALE			Tennessee Sweet Potato, for pies	.10	.20			
Dwarf Green Curled	.10	.15	White Cushaw	.10	.20	NASTURTIUM		
Siberian	.10	.15	RADISH			Dwarf Mixed	.10	.25
			Crimson Giant Forcing	.10	.15	Tall Mixed	.10	.25
KOHL RABI			Early Scarlet Turnip	.10	.15			
Early Purple Vienna	.10	.30	Early Scarlet Turnip, wh. tip	.10	.15	CASTOR BEANS		
White Vienna	.10	.30	French Breakfast	.10	.15	Flowering	.10	
			Iceberg	.10	.15			
LEEK			Long Scarlet Short Top	.10	.15	HERBS		
London Flag	.20	.50	Sparkler, White Tipped	.10	.15	Basil, Sweet	.10	
			Vicks Scarlet Globe	.10	.15	Caraway	.10	
LETTUCE			White Strassburg	.10	.15	Dill	.10	
Bibb	.10	.20				Fennel	.10	
Big Boston	.10	.20				Sage	.10	
Black Seeded Simpson	.10	.20				Summer Savory	.10	
Chicken	.10	.20				Sweet Marjoram	.10	
Early Curled Simpson	.10	.20				Sweet Thyme	.10	
Grand Rapids Forcing	.10	.20						

Order Your Garden Seed Early. Several Varieties of Garden Seed Are Very Short

The Springfield Seed Company warrants to the extent of the purchase price that seeds, bulbs or plants sold are as described on the container within recognized tolerances. Seller gives no other or further Warranty, express or implied.



FULL LINE OF GREENHOUSE PRODUCTS

Greenhouses
New and Elm Streets

In our Greenhouses hundreds of soil tests are made to check the dependability of Star Brand Seeds—before shipment is made of your order.

VERMICULITE

A soil lightener. A perfect material to give sandy soils additional water and food holding ability. Ideal for lightening heavy, clay soils. Can be used up to one-half the total volume of soil. Valuable in greenhouses for potting mixtures and for improving bench soil. Also for root cuttings, starting seedlings, home garden transplanting, flower boxes or pots, new lawns, starting bulbs and root crops. Good for summer and winter mulching. 1¼-lb. package, 65c, postpaid.

The Springfield Seed Company warrants to the extent of the purchase price that seeds, bulbs or plants sold are as described on the container within recognized tolerances. Seller gives no other or further warranty, expressed or implied.

Plant Food in Tablet Form



Feed your house plants, roses, flowers, shrubbery, vegetables, the modern way—with Stim-U-Plant. Clean and odorless, absolutely reliable. Prices: 10 tablets, 10c; 30 tabs. 25c; 100 tabs. 75c; 500 tabs. \$2.50; 1000 tabs. \$3.50.



STIM U PLANT

PRUNING PAINT

Kopper Shield Pruning Paint. An especially prepared liquid paint containing copper for treating wounds left by pruning, storms, or accidents, to prevent such diseases as European canker fungus, hard rot, and certain other fungi. Forms a protective shield while the tree is naturally healing. Pint size, 65c each; quart size, \$1.17; gallon size, \$3.75 each.

HORMONES FRUITONE

Stops premature drop of Fruits, Flowers and Leaves. Also increases production of Tomatoes, Beans, Corn, Alfalfa and Clover. 2/5-oz. pkt., 25c; 2-oz. can, \$1.00. Ask for prices in larger quantities.

ROOTONE

Reg. U. S. Pat. Off.

The Plant Hormone Powder. For better rooting of cuttings, seeds and bulbs. ¼-oz. pkg., 25c; 2-oz. jar, \$1.00.

TRANSPLANTONE

The Vitamin-Hormone Plant Stimulant. Use on seedlings, shrubs, rose bushes and trees. Stimulates backward plants and regenerates roots. One ounce makes 1,000 gallons of solution. ½-oz. pkg., 25c; 3-oz. can, \$1.00.

DORMATONE

A hormone sprout inhibitor. Prevents sprouting, softening and shriveling of potatoes and other root crops. Dormatone treated potatoes retain their nutritional value and have a better flavor. A 12-oz. shaker canister will treat 8¼ bushels. \$1.00 each.

VEGETABLE SEEDS PLANTING GUIDE

Vegetable	Average Number of Seed Per Ounce	To Produce Required for a Given No. of Plants	Amount Required for 100 Ft. of Drill	Amount of Seed Required Per Acre	Depth of Planting	Days to Maturity
Asparagus.....	1,000	1 oz. to 800	1 oz.	5 lbs.	1 in.	2 yrs.
Beans, Dwarf.....	100	.....	1 lb.	60 lbs.	1 in.	45 to 70
Beans, Pole.....	100	.....	½ lb.	30 lbs.	1 in.	63 to 74
Beets, Garden.....	1,750	.....	1 oz.	6 lbs.	1 in.	50 to 60
Beets, Mangel.....	1,200	.....	1 oz.	5 lbs.	1 in.	100 to 130
Brussels Sprouts.....	6,500	1 oz. to 5,000	¼ oz.	2 oz.	½ in.	100 to 120
Cabbage.....	5,000	1 oz. to 4,000	¼ oz.	4 oz.	½ in.	*62 to 105
Carrots.....	14,000	.....	½ oz.	2 lbs.	½ in.	60 to 85
Cauliflower.....	5,000	.....	¼ oz.	1 oz.	½ in.	*52 to 90
Celery.....	100,000	.....	¼ oz.	4 oz.	¾ in.	120 to 150
Collards.....	5,000	.....	¼ oz.	4 oz.	½ in.	100 to 120
Corn, Sweet.....	125	.....	¼ lb.	12 lbs.	1 in.	76 to 110
Cucumbers.....	1,000	.....	½ oz.	2 lbs.	1 in.	52 to 72
Eggplant.....	4,000	1 oz. to 2,000	½ oz.	4 oz.	½ in.	100 to 150
Endive.....	13,500	.....	1 oz.	2 lbs.	½ in.	85 to 100
Kale.....	7,500	1 oz. to 5,000	¼ oz.	1 lb.	½ in.	55 to 125
Kohl-rabi.....	7,000	.....	¼ oz.	1 lb.	½ in.	55 to 60
Leek.....	8,000	.....	½ oz.	4 lbs.	½ in.	120 to 150
Lettuce.....	16,000	.....	½ oz.	3 lbs.	½ in.	61 to 82
Melon, Musk.....	1,200	.....	½ oz.	2 lbs.	1 in.	80 to 115
Melon, Water.....	225	.....	1 oz.	2 lbs.	1 in.	85 to 130
Mustard.....	18,000	.....	¼ oz.	1 lb.	¼ in.	40 to 80
Okra.....	425	.....	2 oz.	8 lbs.	1 in.	90 to 140
Onion.....	12,500	.....	1 oz.	4 lbs.	½ in.	125 to 150
Parsley.....	17,500	.....	¼ oz.	3 lbs.	¾ in.	65 to 110
Parsnips.....	2,800	.....	½ oz.	3 lbs.	½ in.	125 to 150
Peas.....	50 to 150	.....	1 lb.	60 lbs.	1 in.	68 to 82
Peppers.....	4,000	1 oz. to 2,000	½ oz.	2 oz.	½ in.	*55 to 85
Pumpkins.....	100	.....	½ oz.	4 lbs.	1 in.	75 to 150
Radishes.....	5,000	.....	1 oz.	10 lbs.	½ in.	23 to 43
Salsify.....	4,500	.....	1 oz.	8 lbs.	½ in.	115 to 175
Spinach.....	3,000	.....	1 oz.	8 lbs.	1 in.	40 to 50
Squash, Summer.....	300	.....	½ oz.	4 lbs.	1 in.	65 to 70
Squash Winter.....	125	.....	½ oz.	2 lbs.	1 in.	100 to 140
Tomatoes.....	7,500	1 oz. to 3,000	½ oz.	1½ oz.	½ in.	*64 to 85
Turnips.....	10,000	.....	½ oz.	1 lb.	¼ in.	50 to 75

(*This applies to date from transplanting to field.)

NUMBER OF PLANTS TO THE ACRE AT GIVEN DISTANCES

Dist. Apart	No. Plants
12 x 1 in.....	522,720
12 x 3 in.....	174,240
12 x 12 in.....	43,560
16 x 1 in.....	392,040
18 x 1 in.....	348,480
18 x 3 in.....	116,160
18 x 12 in.....	29,040
18 x 18 in.....	19,360
20 x 1 in.....	313,635
20 x 20 in.....	15,681
24 x 1 in.....	261,360
24 x 18 in.....	15,520
24 x 24 in.....	10,890
30 x 1 in.....	209,088
30 x 6 in.....	34,848
30 x 12 in.....	17,424
30 x 16 in.....	13,068
30 x 20 in.....	10,454
30 x 24 in.....	8,712
30 x 30 in.....	6,970
36 x 3 in.....	58,080
36 x 12 in.....	14,520
36 x 18 in.....	9,680
36 x 24 in.....	7,260
36 x 36 in.....	4,840
42 x 12 in.....	12,446
42 x 24 in.....	6,223
42 x 36 in.....	4,148
48 x 12 in.....	10,890
48 x 18 in.....	7,790
48 x 24 in.....	5,445
48 x 30 in.....	4,356
48 x 36 in.....	3,630
48 x 48 in.....	2,723
60 x 36 in.....	2,901
60 x 48 in.....	2,178

Approximate number of feet of row per acre at given distances:

Distance between rows	Feet of row
18 inches.....	29,010
24 inches.....	21,758
30 inches.....	17,427
36 inches.....	14,526
42 inches.....	12,439
48 inches.....	10,853

FLOWER SEED PLANTING GUIDE

A—annual B—biennial P—perennial	Height of Plant	Shape of Plant	Color of Flowers	Good Cut Flowers	Best Use	Location Sun-Shady	When to Plant
Ageratum (A).....	8-24 in.	bushy	blue, white	yes	bedding	sunny	Jan. to April
Alyssum (A).....	2-12 in.	spreading	white	fair	edging	sunny	March to April
Amaranthus (A).....	24-60 in.	bushy	reds	fair	bedding	sunny	Feb. to May
Asters (A).....	12-30 in.	bushy	many	yes	bedding	any	Jan. to June
Bachelor Button (A).....	12-18 in.	bushy	many	yes	bedding	sunny	April to May
Balsam (A).....	18-30 in.	erect	many	fair	border	sunny	March to May
Balsam Apple (A).....	15 in.	vine	orange fruit	no	novelty	sunny	April to May
Calendula (A).....	12-36 in.	bushy	yellow	yes	bedding	sunny	Jan. to April
Calliopsis (A).....	12-36 in.	bushy	yellow	yes	bedding	sunny	Jan. to April
Candytuft (A).....	12-18 in.	bushy	many	yes	bedding	sunny	March to April
Canterbury Bells (B).....	18-42 in.	bushy	many	fair	border	sunny	March to Sept.
Cardinal Climber (A).....	25 ft.	vine	red	no	climbing	sunny	March to May
Carnation (A-P).....	18-36 in.	bushy	many	yes	bedding	sunny	Feb. to March
Castor Bean (A).....	5-10 ft.	branchy	bronze leaves	no	massing	sunny	April to May
Chrysanthemum (A).....	24-36 in.	bushy	several	yes	bedding	sunny	March to May
Clarkia (A).....	15-30 in.	bushy	several	yes	border	sunny	March to April
Cobea Scandens (P).....	15-30 ft.	vine	purple	no	climbing	sunny	March to May
Cockscomb (A).....	12-24 in.	bushy	several	no	border	sunny	April to May
Columbine (P).....	24-48 in.	branchy	several	yes	border	any	Aug. to Sept.
Coreopsis (P).....	18-36 in.	bushy	yellow	yes	bedding	sunny	Feb. to Apr. & Sept.
Cosmos (A).....	48-72 in.	bushy	several	yes	bedding	sunny	April to May
Cynoglossum (P).....	18-24 in.	bushy	blue	yes	border	sunny	March to Aug.
Cypress Vine (A).....	10-18 ft.	vine	red, white	no	climbing	sunny	April to May
Dahlia (P).....	36-72 in.	bushy	many	yes	bedding	sunny	Feb. to March
Daisy (A-P).....	10-30 in.	bushy	several	yes	edging	any	Feb. to Mar. & Aug.
Delphinium (P).....	36-60 in.	tall	blues	yes	border	sunny	Jan. to Mar. & Aug.
Eschscholtzia (A).....	10-12 in.	bushy	several	yes	bedding	sunny	March to May
Euphorbia (A).....	2-4 ft.	bushy	none	no	border	sunny	April to May
Forget-Me-Not (P).....	8-12 in.	bushy	blue, white	yes	edging	shady	March to April
Four O'Clock (A).....	24-30 in.	bushy	many	no	border	sunny	March to April
Fox Glove (P).....	30-40 in.	erect	many	yes	bedding	sunny	Feb. to Mar. & Aug.
Gaillardia (A-P).....	18-30 in.	bushy	red, gold	yes	bedding	sunny	Feb. to April
Gomphrena (A).....	12-18 in.	bushy	purple, white	yes	bedding	sunny	April to May
Gourds (A).....	10-25 ft.	vine	white	no	novelty	sunny	April to June
Gypsophila (A).....	18-24 in.	branchy	white	yes	border	sunny	April to May
Helichrysum (A).....	24-36 in.	bushy	many	yes	bedding	sunny	Feb. to April
Hollyhock (P).....	5-8 ft.	slender	many	yes	border	moist	Feb. to Mar. & Aug.
Hyacinth Bean (A).....	10 ft.	vining	several	no	climbing	sunny	April to May
Kochia (A).....	36 in.	bushy	red	no	border	sunny	March to April
Kudzu (P).....	50 ft.	vine	purple	no	shade	any	March to April
Lantana (A).....	12-48 in.	dwarf & tall	many	no	bedding	sunny	March to May
Larkspur (A).....	36-48 in.	tall	many	yes	bedding	sunny	Mar. to May & Aug.
Lathrus Latifolius (P).....	6-12 ft.	vine	several	yes	blanket	sunny	Jan. to April
Linum (A-P).....	12-30 in.	clump	red, blue	no	bedding	sunny	March to May
Lupine (A-P).....	24-30 in.	erect	several	yes	border	shady	April to May
Marigold (A).....	8-30 in.	bushy	yellow	yes	bedding	sunny	March to May
Mignonette (A).....	10-12 in.	erect	several	yes	edging	sunny	March to May
Moon Flower (A).....	20-30 ft.	vine	several	no	shade	sunny	March to May
Morning Glory (A).....	20-50 ft.	vine	many	no	shade	sunny	March to May
Nasturtium (A).....	1-8 ft.	bush, vine	many	yes	edging	sunny	April to June
Nicotiana (A).....	30-42 in.	branchy	several	yes	border	sunny	March to May
Pansy (A).....	4-6 in.	clump	many	yes	edging	any	Jan. to Mar. & Sept.
Petunia (A).....	18-24 in.	bushy	many	fair	bedding	any	Feb. to May
Phlox (A-P).....	12-18 in.	bushy	many	yes	bedding	sunny	March to May
Pinks (A-B).....	4-15 in.	bushy	many	yes	bedding	sunny	March to May
Poppy (A-P).....	24-60 in.	erect	many	yes	bedding	sunny	Jan. to April
Portulaca (A).....	4-6 in.	spready	many	no	edging	sunny	April to May
Pyrethrum (P).....	12-24 in.	erect	several	yes	bedding	sunny	Feb. to Apr. & Sept.
Salvia (A).....	24-42 in.	bushy	red, blue	yes	bedding	sunny	March to May
Salpiglossis (A).....	18-30 in.	bushy	many	yes	border	any	March to May
Scabiosa (A).....	24-30 in.	bushy	many	yes	bedding	sunny	March to May
Snapdragon (A).....	18-24 in.	bushy	many	yes	bedding	any	March to May
Statice (P).....	18-30 in.	bushy	several	yes	bedding	sunny	Feb. to April
Stocks (A).....	24-30 in.	bushy	many	yes	bedding	sunny	March to May
Sunflower (A).....	48-72 in.	erect	yellow	yes	border	sunny	March to May
Sweet Pea (A).....	4-8 ft.	vine	many	yes	cutting	sunny	Oct. to April
Sweet William (B).....	12-24 in.	bushy	many	yes	bedding	sunny	Jan. to April
Texas Bluebonnet (A).....	24-30 in.	erect	many	yes	bedding	sunny	March to April
Thunbergia (A).....	4-5 ft.	vine	several	no	climbing	sunny	April to May
Tithonia (A).....	4-6 ft.	branchy	tangerine	yes	cutting	sunny	April to June
Torenia (A).....	10-12 in.	bushy	blue	no	bedding	shady	Feb. to May
Tritoma (P).....	3-4 ft.	erect	red	yes	bedding	sunny	Feb. to Apr. & Sept.
Verbena (A-P).....	6-10 in.	spready	many	yes	edging	sunny	Feb. to May
Vinca (A).....	15-18 in.	bushy	pink, white	fair	bedding	sunny	Feb. to May
Zinnia (A).....	6-36 in.	bushy	many	yes	bedding	sunny	March to August

PERENNIAL FLOWERING PLANTS

60c each.....Per 12, \$3.75, Prepaid

AQUILEGIA (Columbine). A beautiful assortment of yellow and blue long-spurred flowers.

CARNATION, Red-Pink. Hardy with pink or red flowers on stiff stems; fine for cutting, all summer.

CHRYSANTHEMUM. Glorious fall-blooming flowers; your choice of red, pink, bronze, and yellow. 75c each, 3 for \$1.60.

COREOPSIS. Golden yellow flowers on long stems; June until frost.

DAISY, SHASTA. Large pure white blossoms.

DELPHINIUM (Larkspur). Long showy spikes of varying shades of blue. Blooms in June and July, sometimes again in the fall.

GAILLARDIA BURGUNDY (New). Shining wine-red flowers about 2½ inches across, borne on long, stiff stems, from June until frost.

GARDEN PINKS. Sweetly fragrant flowers in mixed shades from white through pink to red.

GYPSOPHILA (Baby's Breath). Two to three feet in height and most graceful in effect, with masses of tiny white flowers. Can be dried for winter bouquets.

HOLLYHOCKS. An old fashioned flower that is always a favorite. Ours are double flowering, mixed.

LYTHRUM. A neat bushy type plant, about 3 feet in height with pink spikes all summer. Easy to grow.

PAINTED DAISY (Pyrethrum). Showy daisy-like flowers of red, pinks, and whites, with fine fern-like foliage. Excellent for cutting.

PHLOX. Showy flowers in a wide range of colors. Bloom from early summer till frost. 3 for \$1.20; 12 for \$3.75.

ROCK ROSE. Low spreading plants with small, single flowers in shades of pink, red, and white. Very hardy.

SWEET WILLIAMS. Fragrant showy flowers in early summer. Fine for cutting. Mixed shades of pink and red.

FLOWER SEEDS

Loads of Beautiful Flowers

The flowers outside a home largely reveal the character within.

From just a few packets of seeds you will be able to cut flowers all summer.

Flowers germinate quickly. All are tested and sent to you in big full-measure packets with instructions for planting on the back of each.

We also are offering plants of many of our finer varieties. All are grown from the finest selected seed stocks, transplanted and "topped," which means healthy, vigorous tops, as well as sturdy roots. Send your order for plants right along with your seed order and we will mail the plants at the proper planting time.

All Flower Seed Prices Are Postpaid. **PRICES:** All Packets are 10c Each, Postpaid, except as noted.

ALL PRICES quoted in this catalog subject to change without notice. Add postage to all items not quoted as postpaid.

AFRICAN DAISY

(Dimorphoteca.) Grows 15 inches high. Blooms are 2½ inches across, ranging in color from white to salmon and orange with dark centers.



Daisy

AGERATUM

Five inches tall. One of the best bedding plants. Splendid for borders or edging. Blooms the entire season. Rapid grower.

Blue

SWEET ALYSSUM

Pretty little plants for beds or vases, blooming all summer long. Very sweetly scented.

Dwarf Yellow
Carpet of Snow

Lilac Queen
Mixed

AMARANTHUS

(Tri-Color Splendens — Joseph's Coat). Very useful in borders of tall plants, among shrubs, or for centers of large beds. Grows 2½ feet tall. Inner foliage is of blackest bronze tipped with green. Outer foliage scarlet and gold.



Crego Improved

ASTERS

Early sorts begin blooming in July, followed by the midseason sorts, which are at their best in August. Then come the late blooming kinds which bloom through September and October.

CREGO ASTERS. This variety produces the largest flowers of the comet type. Very full and fluffy, 4 to 5 inches in diameter. When cut they outlast all other types.

Mixed colors.

EARLY BEAUTY ASTERS. Attain a height of around two feet. Are of a branching habit. Flowers large, resembling Chrysanthemums, borne on long stout stems. Bloom at same time with Crego varieties.

Azure Blue, Crimson, White, Pink and Mixed colors.

WILT RESISTANT ASTERS. Many of our friends have had trouble with wilt at some time or another. These varieties are able to grow and bloom beautifully on infested ground. Some of the largest and finest flowers in America in these new strains.

Pink, Crimson, White, Purple and Mixed colors.

For Lawns, use
VIGORO

SUNSHINE MIXED ASTERS. The best mixed assortment for home use. All shades and colors with golden centers.

BRILLIANT QUILLED ASTERS. Mixed colors.

MAMMOTH AMERICAN BRANCHING ASTERS. Large. Late blooming. Mixed colors. Best in September.

PEONY ASTERS. Mixed colors. Large double blooms resembling peonies.

LILLIPUT MIXED. Small flowered, intensely doubled of ideal habit.

FREE PREMIUM

With Garden or Flower Seed
Order of \$1.00 or over.

BLUE LACE FLOWER

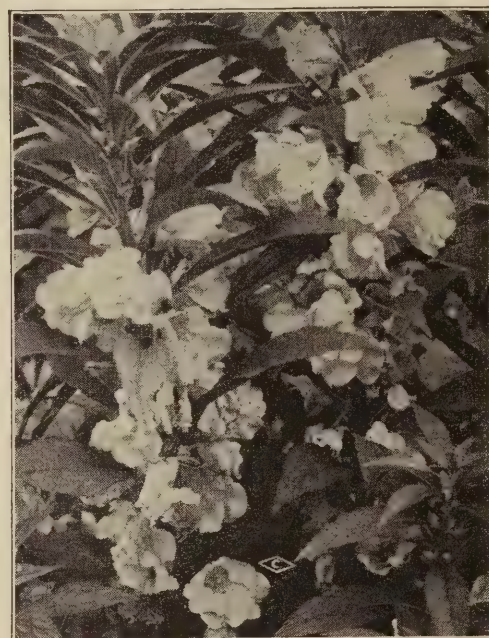
DIDISCUS COERULEUS, ANNUAL. Grows upright about 2 feet high, branches freely, each end bearing a cluster of light blue flowers spreading umbrella-like. Each blossom is carried on a thin, long tube lending the flower head a delicate and dainty touch. Lasts unusually long in water.

BABY'S BREATH

This annual variety has larger flowers than the perennial and is a soft pink in color.

BALSAM

The old-fashioned Camellia-flowered "Touch-Me-Not" or "Lady's Slipper." Produces a great profusion of brilliantly colored blooms.



Balsam

BUTTERFLY FLOWER (Schizanthus)

The fern-like foliage is very attractive even before the flowers come on. The blooms are all colors, shaped like many delicate butterflies.

BURNING BUSH (Kochia)

Makes a beautiful hedge or background. Grows very compact, turning from light green to blood red in early autumn.



Complete, balanced plant food builds sturdy plants. Soluble, it assures immediate availability of growth-producing elements. Will not burn. Clean and odorless. Produces superior plants, vegetables, lawns, trees. Excellent for seedlings, cuttings and transplants. Use indoors or outdoors in soil, sand or water (Hydroponics). 1 oz. makes 6 gallons.

1-oz. pkt., 10c; 3-oz. can, 25c;
7-oz. can, 50c; 1-lb. can, \$1.00.

Postage Extra.

PRICES: All Packets are 10c Each, Postpaid, except as noted.

CALENDULA

RADIO CALENDULA. A large double bloom of a deep shade of golden yellow with attractively quilled petals. Orange King, Lemon King.

ORANGE SHAGGY (New). Closely set, irregularly placed long narrow petals, beautifully fringed or lacinated, giving the flower the frilled or shaggy appearance of some Chrysanthemums.

SENSATION (Campfire). Brilliant orange with crimson sheen.

RADIO. Rich orange blooms with quilled petals.

CALLIOPSIS

Mixed colors. Sow early and thin to 12 inches apart. Easily grown. Beautiful for either garden or cut flower decoration.

CANDYTUFT

They soon flower from seed and remain long in bloom. When massed in flower beds and edgings they are unsurpassed. Make splendid cut bouquets.

CANNAS, Large Flowering

You all know how easily they can be grown from the roots; well they can be just as easily grown from seed. Soak seed 24 hours in warm water. Sown in February should bloom all colors in July.

CANTERBURY BELLS

A biennial which seeds itself. Easily grown and fine for rock garden or in the border. Mixed colors.

CARNATIONS

Always in demand and can be easily grown in your own garden. They are just like regular greenhouse blooms except that they are a trifle smaller. Mixed.

CASTOR BEANS (Ricin)

Well adapted for backgrounds along the side or back garden fence. Moles won't bother a garden hedged with Castor Beans.

CENTAUREA

This is a very hardy annual, flowering all summer. Very easily grown. A fine border plant and very showy. Bachelor's Button or Corn Flower. Also Dusty Miller.

CHINESE FORGET-ME-NOT

Very fine for cutting. Grows 18 to 24 inches tall and are covered with vivid Forget-Me-Not blooms. Mixed.

CHINESE WOOLFLOWER

(Celosia Childsi.) A variety of Cockscomb. Fine for winter bouquets. Mixed shades.

CHRYSANTHEMUMS

Sown in April they begin flowering in July. Pinch back to encourage branching. They make delightful border plants and beautiful bouquets throughout the summer. Mixed.

COBAEA

COBAEA (Cup and Saucer Vine). A rapid climber; fine for trellises, arbors, etc.; clings to any rough surface. Place seeds in the ground edgewise and cover with light soil. Purple, Pure White.

COLEUS

COLEUS (Flame Nettle). An attractive foliage plant for house or garden. Very interesting to grow from seed, easily raised. Sow in March or April. Pkt., 25c.

COSMOS



Cosmos



FIESTA COSMOS. 1952 Silver Medal award was given this annual Klondyke Cosmos. It has extra petals, similar to Orange Flare. Petals are striped with scarlet. The first bi-colored flower of its kind. Pkt., 25c.

EARLY KLONDYKE ORANGE FLARE. The Grand Champion Gold Medal Winner. The unanimous choice of all judges in the All-American Competition for 1935. Bright vivid orange, very free flowering, with a sparse growth of light green foliage, the plants are in full flower less than four months from the time of planting, and are a mass of color all season. The sensation of the year.

EARLY DOUBLE CRESTED. Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

CYPRESS VINE (Ipomoea Quamoclit)

Half Hardy Annual Climber, 15 Feet

A beautiful vine of very rapid growth, with delicately cut fern-like foliage and producing in abundance dainty star-shaped scarlet and white flowers. Sow when the weather is warm, or seed may be started indoors. Soak over night in warm water previous to sowing.

DAHLIAS

Can be easily raised from seed and will bloom the first year. One of the best late summer flowering plants.

DAISIES

SHASTA. Flowers very large and graceful, pure white, single. Grow on long, stiff, wiry stems.

DELPHINIUM

Delphinium are hardy, vigorous and free blooming. Soak the seed over night, and lime the soil where they are to be planted.

Delphinium, Belladonna.
Delphinium, Bellamosum.
Delphinium, Giant Hybrids, Mixed.

DIANTHUS

A lovely class of annual flowers for beds, borders and cutting. Of easy culture. Blooms from July until frost.

GRASS PINKS. The delicately fringed flowers are fragrant and fine for bouquets.

SPECIAL MIXTURE. A splendid mixture of double pinks.

DIGITALIS

THE SHIRLEY. Stately spikes growing up to 7 feet tall, closely set with large bells, in many bright colors. Some dotted with crimson or chocolate.

FORGET-ME-NOT (Myosotis).

FOUR-O'CLOCK, Mixed.

GAILLARDIA, Single Mixed.

GAILLARDIA, Double Mixed.

GAILLARDIA, Perennial Mixed.

GODETIA.

GOMPHRENA (Globe Amaranth).

GOURDS, Mixed.

HELIANTHUS or SUNFLOWER.

HELICHRYSUM, Mixed Colors.

HELIOTROPE.

HIBISCUS.

HOLLYHOCK, Double Mixed.

JAPANESE HOP VINE.

JOB'S TEARS.

KOCHIA (Mexican Fire Bush).

KUDZU VINE (Jack-and-the-Bean-Stalk).

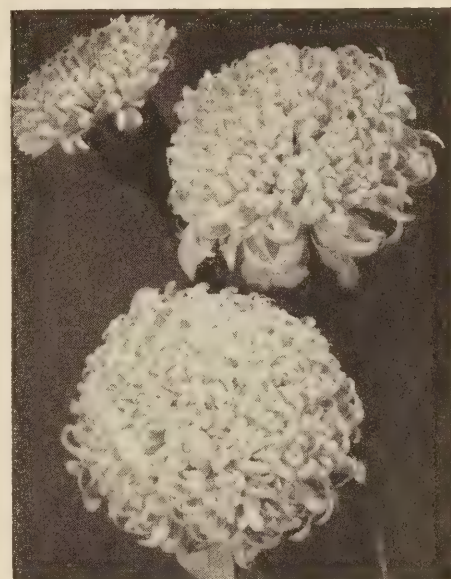
LANTANA.

LARKSPUR, Tall Double Mixed.

LATHYRUS LATIFOLIUS (Perennial or Everlasting Pea). 10c pkt.; 30c per oz.

LUPINE

MAYFAIR HYBRID. Easily grown on poor soil but insists on good drainage. Carries long graceful spikes of rich and various colored flowers.



Marigold



GLITTERS MARIGOLDS

Received the Bronze Medal All America award for 1951. Large, tall and double Chrysanthemum-flowered beauty. Height is 2½ to 4 feet, is bushy with long stems for cutting. Flowers are a clear yellow, measuring 3 to 4 inches across and fringed at outer petals. 25c per packet.

MARIGOLDS

They light the garden with a glitter of yellow and gold from July far into the frosts of autumn.

DOUBLE TALL AFRICAN VARIETIES. Lemon Ball. Mixed shades of yellow and orange. Orange Ball.

DWARF FRENCH DOUBLE. Mahogany, Lemon Queen, Double Dwarf Mixed (Pride of the Garden).

DWARF SINGLE FRENCH. Legion of Honor. Golden yellow marked with a large spot of velvety crimson at the base of each petal. Golden Star, Marigold Mixed.

GUINEA GOLD. A brilliant orange, very double and ruffled with loose lace petals. This is a new and distinct type.

PRICES: All Packets are 10c Each, Postpaid, except as noted.

MIGNONETTE, Sweet Scented.
MORNING GLORY, Japanese Mixed.
MOONFLOWER.

NASTURTIUMS—

Dwarf Mixed.
Tall Mixed.

PANSY—

Giant Trimardeau, Mixed. 25c pkt.

PANSY PLANTS—Mixed colors of the choicest varieties. 50c doz. Postage extra.

PETUNIAS



PETUNIA, FIRE CHIEF. A 1950 All-America winner. We are listing this item because it is an outstanding flower, having a color entirely new in this class

of fire-cracker red. Long blooming with dwarf compact plants. Pkt., 25c.

FLUFFY RUFFLES, MIXED. Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and embracing a splendid variety of colors in many beautiful combinations. Pkt., 25c; 2 pkts., 45c.

ELK'S PRIDE. A splendid velvety purple, large flowering variety. Pkt., 20c; 3 pkts., 50c.

ROSE OF HEAVEN. (Improved Rosy Morn). Dwarf, bushy plants, bearing in great profusion brilliant rose colored flowers with a white throat; excellent for pot culture. Pkt., 20c; 3 pkts., 50c; 1/8 oz., 75c.

BLOTCHED AND STRIPED SINGLE MIXED. Pkt., 10c; 1/4 oz., 25c.

FINE MIXED SINGLE BEDDING. A splendid bedding mixture of good bloomers. Pkt., 10c; 1/4 oz., 25c.



GLOBE MIXED PHLOX. Honorable Mention award was given this annual Phlox in 1951 and was carried over because of scarcity of seed. Plant is very compact and unique globe shaped, dwarf

with height of 5 to 8 inches and about 8 to 12 inches across. Recommended for low beds, edgings and pot culture. Mixture is made up of white, dark red, rose red, white with red eyes and lavender pink. Pkt., 25c.

PHLOX—

Drummond Grandiflora.
Star Quedlinburg.

CALIFORNIA POPPY

ESCHSCHOLTZIA AURANTIACA. This is the true California Poppy. Mixed colors.

THE GEISHA. A brilliant rose and orange coloring that makes a blaze of color in your garden all summer long.

POPPY, Double and Single Mixed

Shirley Mixed.

Oriental Mixed.

Flanders Field, red.

PORTULACA (Moss Rose). Brilliant garden annuals, 6 inches high, luxuriating in warm, dry, sunny situations and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc.

Double, Fine Mixed.

Single, Fine Mixed.

SALVIA SPLENDENS. Loose sprays of rich violet blooms. Tall growing; 2 1/2 to 3 ft. We offer an improved and select stock. Mostly used in large beds. Pkt., 25c.

SCABIOSA, Grandiflora Mixed.

SNAPDRAGON, Tall Mixed.

STOCKS, Large Flowering Ten Weeks Mixed.

SPENCER SWEET PEAS

10c Pkt.; 25c Oz.

BIG BOY. Red.

BLACK DIAMOND. Dark maroon.

BEST WHITE. White.

SPENCER CAPRI. Clear blue.

DAMASK ROSE. Rose.

EXCELSIOR. Scarlet orange.

GOLDCREST. Salmon

OLYMPIA. Purple

RUFFLED ORCHID. Orchid

MABLE GOWER. Dark blue.

THUNBERGIA, or Black-Eyed Susan.

TRITOMA (Torch Lily, Flame Flower, Red Hot Poker).

VINCA, Mixed.



TORCH TITHONIA

The top floral winner and leader receiving the Silver Medal All America award for 1951. Torch is of compact, upright, bushy form; having luxuriant foliage. Has flowers of striking color in a fiery scarlet or rich, grenadine red about 4 inches across; borne on strong, straight stems which make it desirable for cutting. It is a tender annual but stands summer heat and seems free from all diseases. 25c per packet.

VERBENA

NEW MAMMOTH. Individual flowers are larger than a silver quarter. Unsurpassed for profusion of bloom. Fancy mixed.

BEAUTY OF OXFORD. A free flowering, very hardy annual. Excellent for bedding and edgings. Of creeping habit with dark green foliage. Many clusters of large star-shaped flowers, with round lobed petals. Bloom from June until frost. Pkt., 25c.

ZINNIA



PERSIAN CARPET ZINNIA.

Won Honorable Mention 1952 award. Has rich tones of reds and golds. Is extremely easy to grow with medium sized blooms

on good stems for cutting. Will do well almost anywhere. Pkt., 25c.

ZINNIA, PEPPERMINT STICK. Striped petals in various color combinations, such as red and white, red and yellow, purple and white, carmine and white, orange and yellow. Approximately 70% striped flowers. Medium-sized flowers, fine for bouquets. Pkt., 25c.

FANTASY CHRYSANTHEMUM FLOWERED. The well rounded, medium sized flowers are composed of a mass of shaggy, twisted tubular petals which give the blooms a rather charming appearance. Pkt., 15c.

TALL DOUBLE. All colors mixed.

NEW CALIFORNIA GIANT FLOWERING. A well balanced mixture of all colors make a gorgeous showing.

GIANT FLOWERING WHITE.

GIANT FLOWERING CRIMSON.

GIANT FLOWERING VIOLET.

GIANT FLOWERING YELLOW.

ZINNIA COLLECTION. 1 pkt. of each of the above five colors, 65c; single pkt., 15c each.

DOUBLE LILIPUT. A fine mixture of dwarf double Zinnias.

ZINNIA, TOM THUMB. Mixed.

DAHLIA-FLOWERED ZINNIAS

Come in a rich assortment of colors.

GOLDEN WEST. A fine shade of golden yellow.

PURPLE PRINCE. Rich shade of royal purple.

DAYBREAK. Bright orange scarlet.

GLORIA. Delicate reddish rose.

ENCHANTRESS. Rich shade of red.

SENSATION. Orange scarlet.

DAHLIA FLOWERED ASSORTMENT. Six kinds. One each of the above six Giant Dahlia-Flowered Double Varieties, 50c; single pkt., 10c each.

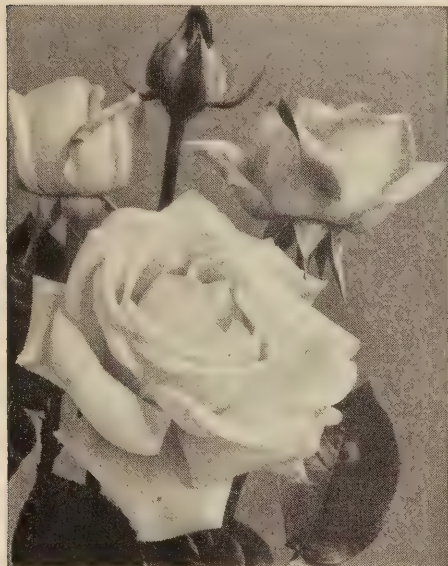
MIXED COLOR. Finest mixed Dahlia-Flowered Double Zinnias. This is a mixture of red, yellow, orange, purple and rose.



Globe Mixed Phlox



Dahlia-Flowered Zinnia



PEACE
AARS 1946



PINK RADIANCE



DUQUESA DE PENARANDA

All-America Rose Winners

CHRYSLER IMPERIAL (Pat. Applied For.) 1953 Award winner. A very vivid crimson rose with overtones of a glowing exblood red, measuring 4 to 5 inches across, with high center. Fine straight stems covered with luxuriant foliage. Retains color well in fully open flower. Each, \$3.25.

MA PERKINS. 1953 Award winner. (Pat. Applied For.) This new Floribunda is a cross of Fashion and Red Radiance, retaining the better qualities of its parents. A hardy, vigorous, disease resistant plant, producing buds of a sparkling coral pink touched with red which opens into a flower of coral-shell pink. Each, \$2.50.

VOGUE (Pat. No. 962). A 1952 Award Winner. An enchanting new floribunda of a brilliant cherry coral hue. Buds are very dark, oval in shape and are of perfect hybrid tea form. Its spice-like scent should make Vogue one of the most popular favorites. A prolific bloomer; will supply an abundance of flowers for home arrangements. Each \$2.45.

FRED HOWARD (Pat. No. 1006). 1952 Award Winner. This golden orange-rose has pink shadings. Flowers are very double and is free blooming, perfectly formed with a high center. Its

long sturdy stems make it ideal for arrangements and it continues to bloom until late in the fall. Each, \$2.75.

HELEN TRAUBEL (Pat. No. 1028). 1952 Award Winner. A beautiful pink hybrid tea rose with sparkling color which varies with the weather from a lively pink to a luminous apricot which blends into a rich orange. Completely charming at half-open flower stage but exceedingly beautiful when fully open. Flowers often measure 5 to 6 inches across and are borne on long stems. Each \$2.95.

PEACE (Pat. No. 591). All-America selection for 1946. Won the highest rating ever given a rose. Buds open into large golden yellow flowers, petals edged with pink, later changing to ivory. Blooms beautifully and long lasting. Each \$2.70.

CAPISTRANO (Pat. No. 992). 1950 All-America Rose Winner. A long stem hybrid tea rose with unusually large buds and flowers. The open flower often measures 6 inches across and has 36 petals. A rich shade of deep glowing pink with permeating fragrance. Vigorous foliage that is disease-resistant. Each \$2.45.

ROSES

Two-Year Field-Grown Plants

FROM JUNE TO OCTOBER

Each \$1.45; 5 for \$6.50; 12 for \$14.25.

ROGUE MALLERIN. Deep rich red with a velvety texture; does not fade or blue. Very fragrant and a healthy grower.

McGREY'S IVORY. Perfectly formed long-pointed buds of ivory-white. Always in flower.

THE DOCTOR. Immense long pointed buds of sparkling pink, slowly open to great flowers 5 to 6 inches across, of exquisite satiny silvery pink. Intense fragrance.

CONDESA DE SASTAGO. A beautiful two-toned coppery red inside, golden tint outside. Delicately perfumed, robust in growth. It grows with outstanding brilliance in any garden.

EDITOR McFARLAND. Clear, brilliant; perfectly formed, long lasting when cut, strong stems. One of the finest pink roses ever introduced.

McGREY'S YELLOW. Unfading canary yellow flowers of excellent form with a mass of golden anthers glorifying the center of the flower. Dark, glossy holly-like foliage.

P. S. DuPONT. Double flowers of rich gold, spicy fragrance. Plants bushy and foliage attractive.

ETOILE DE HOLLANDE. Bright red; large—very fragrant. Perfect buds opening into a glorious red flower of incomparable fragrance. Strong grower, free branching and healthy.

K. A. VICTORIA. The best white; beautiful in bud and full flower; a free and continuous bloomer.

MRS. CHAS. BELL. A shell-pink Radiance; free bloomer.

POINSETTIA. This vigorous rose, so appropriately named, brings to you the brilliance, the glowing red color of the Christmas Poinsettia. Long pointed buds, strong grower.

PRES. HOOVER. Maroon and orange two-toned; vigorous plants; free bloomer. A rainbow of colors.

RADIANCE. Cameo pink; large, intensely fragrant; blooms all season in all climates. One of the most popular roses due to its extreme hardiness and freedom of bloom.

RED RADIANCE. Clear even red, large; long lasting, hardy. The same qualities as Radiance but a rich cerise-red. No rose will excel it in growth or quantity of blooms.

BETTY UPRICHARD. Delicate salmon pink with outside of petals coppery carmine. Very fragrant.

DUQUESA DE PENARANDA. Spectacular double flowers of apricot-peach color, very fragrant. Attractive foliage.

CLIMBING ROSES

Prices same as for Bush Roses.

CLIMBING AMERICAN BEAUTY. Carmine red, fine form.

PAUL'S SCARLET. Intense scarlet, vigorous and free flowering.

CLIMBING BLAZE. Recurrent blooming Paul's Scarlet.

POLYANTHA ROSES

These Monthly Bloomers are among the most popular large-flowering Polyantha Roses, all outstanding monthly bloomers and beautiful in color, with abundant fragrance that will fill the air in your garden and in your home.

ELSE POULSEN. Rose-pink.

GOLDEN SALMON. Salmon-orange flowers produced in large clusters.

LA FAYETTE. Light cherry.

BABY IDEAL. Red.

Hardy as Spirea. Always in bloom. Require no spraying. All that they ask is a little cultivation. Plant these Roses by the dozens.

NURSERY STOCK DEPARTMENT

Send us your order for nursery stock when you place your seed order. Our nursery department will ship the stock to you at the proper planting time. Our nursery stock is all strong, full of life plants, that are sure to grow.

EVERGREENS

We are now offering small evergreens which can be dug and shipped by mail. These are small, but well-rooted plants, and will be individually wrapped in spragnum moss without a ball of earth as this makes them more economical for shipping by parcel post.

To insure better success in planting we suggest the following rules:

When trees arrive, the ground should be ready for planting. Do not expose the roots to the air. After unpacking the shipment, place the roots of each tree in a pail or tub of water, soaking thoroughly, then plant at once. Be sure the hole is deep enough to avoid crowding and spread roots out in their natural position, pressing the soil firmly around the roots. When three-fourths of the hole has been filled with firmly pressed soil, fill the remainder with water two or three times. When the water has soaked into the soil fill the remainder with dirt but do not tamp. Leave a slight depression around the tree and keep cultivated to keep weeds and grass from growing around the plant. Water well every few days, particularly in dry weather.

ADD A CHEERFUL AND COLORFUL TOUCH TO THE LANDSCAPE



BERCKMANN'S GOLDEN ARBOR-VITAE (Chinese). Conical, compact with bright green pressed leaf foliage, gold tipped. 8-10 in., \$1.60 each; 10-12 in., \$2.00 each.

BOXWOOD. A slow growing evergreen shrub, low type plant, which may be sheared to any shape. Fine for edging plant or may be used in tubs or urns. 8-10 in., \$1.60 each.

SPINY GREEK JUNIPER. Cone-shaped, compact, with silvery blue-green foliage. 8-10 in., \$1.50 each; 10-12 in., \$1.90 each.

AMERICAN PYRAMIDAL ARBORVITAE. 10-12 in., \$1.50 each.

PFITZER'S JUNIPER. The most popular spreading evergreen. Very hardy. Dark green foliage. Irregular type growth. 8-10 in., \$1.60 each; 12-15 in., \$2.00 each.

TAXUS HICKSI. Yew, narrow and upright in growth with dark green foliage. 8-10 in., \$2.25 each; 10-12 in., \$2.60 each.

IRISH JUNIPER. Tall slender tree. Excellent for doorways or beside the garden seat. Grey-green foliage. 10-12 in., \$1.60 each; 12-15 in., \$2.00 each.

All Evergreens Prepaid.

SHADE TREES NOT PREPAID

Transplanted Stock (not seedlings)	Size	Each
WHITE ASH. A good all-purpose shade tree. Free from insects and diseases. Hardy.....	5-6 ft. 6-8 ft.	\$2.25 2.95
BROADLEAF HYBRID CHINESE ELM. The fastest growing tree in America. Hardy, drought resistant, beautiful.....	5-6 ft. 6-8 ft.	2.75 3.75
MAPLE, SILVER. Grows rapidly into very large tree, foliage light green with silvery underside.....	5-6 ft. 6-8 ft.	1.95 2.50
MAPLE, SUGAR. One of the best street and park trees. Dense, upright grower.....	5-6 ft.	3.25
MAPLE, NORWAY. One of the best trees for street and park.....	5-6 ft. 6-8 ft.	3.60 5.40
POPLAR, LOMBARDY. Tall, slender trees for screens and backgrounds.....	5-6 ft. 6-8 ft.	.75 1.00
POPLAR, BOLLEANA. Similar to Lombardy, except the leaves are dark green with silver underside.....	4-5 ft. 5-6 ft.	1.25 1.95
SYCAMORE. Lofty tree with large heart-shaped leaves. Straight, symmetrical grower.....	5-6 ft. 6-8 ft.	1.95 2.25
WEeping WILLOW. Beautiful, graceful, lacy tree with long drooping branches, densely covered with fresh green leaves. A rapid grower. We have either the green-barked or golden barked varieties. State preference when ordering.....	5-6 ft. 6-8 ft.	1.50 2.50

Above Not Prepaid.

FLOWERING TREES

	Size	Each
BECHTEL'S FLOWERING CRAB. A beautiful, compact tree with double pink flowers; very fragrant. Prepaid.....	2-3 ft.	\$1.75
FLOWERING PEACH. Few plants are more striking when in bloom than the flowering peach. Available in red.....	3-4 ft.	1.65
HOPA FLOWERING CRAB. Pink flowers, red fruit, rapid growers. Prepaid.....	3-4 ft.	1.75
RED LEAF PLUM. One of the best red leaf plums; semi-dwarf. Prepaid.....	3-4 ft.	2.20
REDBUD (Judas Tree). Bright lavender flowers in early spring before the foliage appears. Not prepaid.....	2-3 ft.	1.50
DOGWOOD, White Flowering. Large white blossoms in early spring. Foliage colors beautifully in fall. Prepaid.....	2-3 ft. 3-4 ft.	2.00 3.00
PINK DOGWOOD. Trees bloom quite young with large reddish pink flowers.....	2-2½ ft.	3.75

HEDGES

An ornamental hedge speaks for itself. It frames the lawn and gives it a background. On the smaller grounds the low hedges are used, while for larger grounds and for screening purposes, the larger growing kinds are used. In most cases they should be planted one foot apart.

Plants 1 to 1½ ft. tall, branched.	Per 12	Per 25	Per 100
AMUR RIVER PRIVET (Hardy Russian Privet). The hardiest of all. Holds its leaves until severely cold weather. Prepaid.....	\$3.00	\$5.25	\$16.75
CALIFORNIA PRIVET. Rich, dark green, lustrous leaves. Not quite so hardy as Amur Rivet privet, but will come again if frozen back. Prepaid.....	2.50	4.15	12.00
SPIREA VANHOUTTEI. Makes one of the most beautiful and graceful of all hedges. Prepaid.....	5.75	11.00	.....
ROSA MULTIFLORA JAPONICA. Recommended highly for wild life refuge, a living hedge and erosion control. A hardy plant growing from 6 to 8 feet tall and almost as wide if left untrimmed. White flowers in June followed by small fruits. Makes an excellent trimmed hedge. Set plants 12 inches apart for trimmed hedge and 18 inches for untrimmed. 12-18 inches.....	.....	2.50	7.50

Any COMPLAINT with reference to any or all Nursery Stock must be made on arrival.

ORNAMENTAL SHRUBS

2-Year, 1½ to 2 Feet

ALTHEA (Rose of Sharon). Fine free-flowering shrubs or small trees. Blossoms of red, pink, purple or white, borne in August and September. 80c each.

CALYCANTHUS (Sweet Shrub). A handsome shrub with glossy foliage and chocolate-brown flowers which have a spicy fragrance. Will grow in shade. Grows 5 to 6 feet tall. \$1.25 each.

CRANBERRY, HIGH BUSH. Single white flowers in April and May are followed by clusters of scarlet berries in late summer, hanging on until spring. Will grow in shade as well as sun. 8 to 10 feet. \$1.20 each.

DEUTZIA GRACILIS. A graceful low growing shrub, about 2 feet in height. White flowers in May. Can be grown in shade. \$1.30 each.

GROOTENDORST RUGOSA. A hardy rose shrub that blooms all summer with clusters of double flowers. Fine for foundations or borders. \$1.50 each.

GOLDEN BELL (Forsythia). A cascade of bright yellow flowers in early spring, followed by dark green foliage. \$1.00 each.

HONEYSUCKLE, TARTARIAN PINK. A large-growing bush that will stand much abuse. Pink flowers in spring. May be sheared to form a dense hedge. 95c each.

HARDY PINK or BLUE HYDRANGEA. Flowers are immense in size and are pink in alkaline soil and blue in acid soil. Keep watered well and should be mulched in winter. \$1.85 each.

JAPANESE BARBERRY. Low-growing, dense; glossy green foliage in summer turning to coppery red in the fall, followed by brilliant red berries. 80c each.

JAPANESE QUINCE (Fire-in-the Bush). A brilliant mass of red in early spring with glossy green foliage throughout the summer. \$1.15 each.

MOCK ORANGE. Pure white, fragrant flowers in early spring. 95c each.

PRIVET, Fern Leaf (Regel's). Low growing, dense shrub with horizontal branches; one of the best for shaded locations. 80c each.

SPIREA FROEBELI. Pink Dwarf Spirea. Flowers of a pleasing pink shade. Somewhat taller habit of growth than Spirea Anthony Waterer. 80c each.

SPIREA THUNBERGI. White blossoms in earliest spring, foliage fine and feathery, making it an admirable foundation plant. 80c each.

SPIREA VAN HOUTTE (Bridal Wreath). Best known and most widely used of all shrubs. Long sprays of white flowers completely cover the shrub in spring. Will grow anywhere in shade or sun. 80c each.

VINES

	Each	2 for
BOSTON IVY. Clings to smoothest wall; foliage dense; very hardy. Prepaid.....	\$1.30	\$2.50
ENGLISH IVY. Semi-hardy evergreen vine; does best on north or east side.....	.95	1.80
CLEMATIS HENRYI. A large flowering white Clematis of unusual size and beauty. Flowers in profusion in June	1.70	3.25
CLEMATIS JACKMANNI. Dark purple flowers from four to six inches across. July to October. Prepaid..	1.70	3.25
SILVER LACE VINE (Polygonum). A rapid grower, bears a great mass of white flowers in late summer. Prepaid	1.30	2.50
WISTERIA. (Grafted.) Our plants are grafted and sure to bloom. Beautiful lilac-purple.....	2.20	4.20
HALL'S HONEYSUCKLE. Nearly evergreen; flowers white to yellow, very fragrant. Prepaid.....	.70	1.30
HECKROTTI HONEYSUCKLE. Early blooming. Prepaid	1.00	1.80
BITTERSWEET. Orange-yellow seed pods bursting open to show scarlet seeds, very attractive in early winter. Prepaid	1.00	1.90



Hydrangea paniculata grandiflora (Pee Gee)

BETTER SHRUBS

ALL PRICES PREPAID

	Size	Each	Pair
ALMOND, FLOWERING. Double rose-like flowers. Early. Pink or white.....		\$1.30	\$2.50
REDLEAF BARBERRY. Bright red foliage all summer. Plant in full sunlight.....	12-15 in.	.95	1.80
BUTTERFLY BUSH, CHARMING. New pink flowering		1.00	1.90
BUTTERFLY BUSH, ILE DE FRANCE. Long thick flower spikes of rosy purple.....	No. 1	1.00	1.90
CRAPE MYRTLE. Very showy flowers of crinkled, crape-like appearance, pink, red or white		1.20	2.25
DESMODIUM (Bush Clover). Weeping rose pink flowers in fall.....	No. 1	1.30	2.50
HYDRANGEA, HILLS OF SNOW. Ball-shaped clusters of snowy-white flowers in July and August.....		1.30	2.50
HYDRANGEA PEGEE. Huge panicles of light pink flowers in August and September, changing to brown in fall.....	1-1½ ft.	1.30	2.50
LILAC, CHINESE. Blooms second year, rosy purple. Grows 8 to 10 feet.....		1.00	1.90
SNOWBALL. Large globular clusters of pure white produced in May and June. Grows 6 to 8 feet in height.....		1.50	2.80
SPIREA ANTHONY WATERER. Red Dwarf Spirea. Showy red flowers borne in umbrella-like bunches throughout the summer .....		.95	1.80
VIBURNUM, ENCHANTMENT. Neat and compact in habit, growing 5 to 6 feet. Clusters of white flowers in May measuring 5 inches across, followed by clusters of rich scarlet berries.....		1.50	2.90
WEIGELA ROSEA. Showy pink trumpet-shaped flowers in May.....		.95	1.80
BUSH CHERRY. Perfectly hardy ornamental shrub with white blossoms followed by rich red fruit which is fine for making jam, jelly and pie. Plant two or more for pollination. Heavy, well branched, 2 yr., 2 for \$2.90.			
BEAUTYBUSH. One of the best flowering shrubs with graceful branches covered with delicate pink flowers in great profusion. Closely related to Weigela but possesses a greater degree of beauty and refinement. Select, \$1.00.			
BEAUTYBERRY. Graceful branches covered in August with thousands of closely set small pink flowers. These are followed in September by masses of glittering violet-blue berries in dense clusters along each branch. Select Grade, 80c each.			

AZALEA, Red. A compact dwarf growing evergreen shrub. Bright green foliage turning to a fiery red in the fall. Flowers a brilliant blood-red. 9-12 inches. \$2.20 each.

THE NURSERY STOCK WE OFFER IS MISSOURI GROWN
AND IS WELL ADAPTED TO THIS SECTION

FRUIT SECTION

APPLES

	Each	Per 5	Per 25
3-4 ft., prepaid.....	\$1.10	\$4.50	\$14.50
4-5 ft., not prepaid.....	1.15	5.00	17.50

EARLY—

RED DUCHESS. This is a strain of the Duchess. The only difference is that it colors somewhat earlier, and better, which is a big advantage for the commercial Apple grower. Profits are larger because of the earlier marketing quality. Plant a few of these in your orchard this year.

YELLOW TRANSPARENT. (Early Summer.) The best extra early Apple; medium size; a beautiful clear yellow; smooth, waxen, brilliant skin. Unexcelled for pies, tarts and apple sauce. Tree extremely hardy, upright, compact grower; often used as a filler; reliable cropper.

SUMMER CHAMPION. A late summer or early fall Apple. Large, attractive, red, and of fine quality. Tree is hardy and a heavy bearer.

WEALTHY. (Late Summer.) A most dependable and widely planted late summer Apple; bright red striped; medium to large size. Ripens over a long season. Very good quality. Tree upright grower; often used as a filler; very hardy; bears young.

FALL—

GRIMES GOLDEN. Highest quality; good for eating out of hand, for pies, marmalade and dumplings. Bright yellow with pink cheeks.

JONATHAN. Best known and best beloved of all apples. Bright red fruit, high flavor; bears young and abundantly.

WINTER—

RED DELICIOUS. Fine grained, juicy, mild. A wonderful eating apple. Color light green shaded to dark red. You need this apple.

WHETSTONE. The Missouri Fruit Experiment Station put in 40 years' time and effort crossing Jonathan and Ben Davis to develop an Apple with Jonathan quality and Ben Davis productiveness and keeping qualities.

WINESAP. December to April. Medium size, dark red, juicy, mild. Good to eat "as is" or for jellies, pies or marmalade.

YELLOW DELICIOUS. Some say the quality is better than even the Red Delicious. A dependable cropper and a good keeper.

RED ROME BEAUTY. Identical with the Rome Beauty except that it colors earlier and has more red color. Hence, it is a more profitable Apple for the grower. This is also a hardy, vigorous apple tree, and is a popular favorite in almost every section of the Apple country.

RED STAYMAN. Everyone is familiar with the wonderful early coloring qualities of the Red Stayman. The Dark Red Stayman is a marvelous improvement over many Stayman Apples; has more color and keeping qualities. It is the solid dark red which makes it a universal favorite.

TURLEY WINESAP. A truly fine quality Apple of a beautiful ruby-red color of the Stayman type. Absolutely does not crack. This is Indiana's greatest gift to the Apple industry and their most precious crop. You, too, will find it a profit maker.

BLACK BEN. (Winter.) The best of the Ben Davis family. It attains a much higher color than Ben Davis or Gano. The tree is hardier, more vigorous and more prolific than Ben Davis. Fruit is large, solid dark red.

YORK IMPERIAL. (Winter.) Bright pin-striped with dark red; fair quality. Its oblique or lop-sided shape is a notable characteristic. A very heavy bearer. Easy to handle. Imperial good keeper in dry storage.

CRAB APPLES

VIRGINIA. One of the finest Crabs for home use, and being a heavy producer of large pink fruit of unusual hardness makes it a profitable market Crab.

CHERRIES

	Each	Per 5
2-2½ ft., prepaid	\$1.25	\$5.00
3 ft., prepaid	1.55	6.50

EARLY RICHMOND. Medium size; dark red, very juicy; exceedingly productive and hardy.

MONTMORENCY. About ten days later than Early Richmond. The famous pie cherry. The fruit is large, red, mildly acid.

SWEET CHERRY PRICES:

	Each	Per 5
2-3 ft.	\$1.45	\$6.25
3-4 ft.	1.70	7.50

BLACK TARTARIAN. A sweet cherry, purplish black in color, medium sized, very productive and a regular bearer. Fruit of very good quality.

KANSAS SWEET CHERRY. Hybrid and good bearer. Fruit of sweet flavor, dark red, large and firm.

PEACHES

	Each	Per 5	Per 25
2-3 ft., prepaid.....	\$0.95	\$3.75	\$12.50
3-4 ft., prepaid.....	1.10	4.50	15.00

CHAMPION (Freestone). Flesh white with red at the pit; one of the best in quality and hardness. Ripens midseason.

RED BIRD (Clingstone). The best of the early peaches. Good size, white flesh, good flavor. Hardy, vigorous, productive.

GOLDEN JUBILEE (Freestone). Fruit of enormous size, golden yellow, rich and syrupy. Ripens extra early. A new commercial variety.

HALEHAVEN (Freestone). Combines the best qualities of the J. H. Hale and South Haven. Yellow meat, early. Another new variety.

J. H. HALE (Freestone). Very large, deep golden yellow, of delicious flavor. Tree very hardy and productive.

EARLY ELBERTA. Our own special strain of Early Elberta that we have fruited for years. Ripens five days ahead of Elberta. A smooth-skinned Peach, yellow background with bright crimson blush. Much better flavor than regular Elberta and of good size. Brings top prices on every market.

BELLE OF GEORGIA (White Freestone). (Midseason.) An unusually handsome large Peach. Creamy white blushed with red; good quality. A favorite with commercial growers. Very hardy, vigorous and productive. Ripens August 1st.

ALTON. This Peach in our own orchard has proved to be one of the hardiest, most profitable of the Belle of Georgia type, ripening about half way between Red Bird and Elberta. It is a semi-cling, white Peach with beautiful red blush. You'll have a crop of Altons whenever seedlings bear. Ripens about July 15th. The tree is strong, stocky, good grower, well-branched, and it is an extremely good, regular bearer. All in all, the Alton is a money-maker for the farm or home.

LATE ELBERTA (Yellow Freestone). A large yellow Peach with red cheek, of Elberta type, ripening last of August, extending the Elberta season twenty days.

PEARS

	Each
2-3 ft., prepaid.....	\$1.20
3-4 ft., prepaid.....	1.30
4-5 ft., not prepaid.....	1.35

BARTLETT (Late Summer). One of the most popular for canning and a leading commercial variety. White flesh, juicy and sweet and of fine grain. Tree is hardy, vigorous growing, produces well and starts bearing young.

DOUGLAS. Known to produce a pay crop the second year after planting. Has produced fruit from the third set of blooms (first two sets froze). Blight resistant. Good quality fruit and an excellent producer in all areas. Very popular in the South.

PLUMS

	Each	Per 5
⅝ in diam., prepaid.....	\$1.20	\$5.00
⅞ in. diam., prepaid.....	1.55	6.50

AMERICAN. A golden yellow, red cheeked plum which starts bearing young. Sweet, juicy solid meat fruit of high quality. Produces abundantly. Ripens July 20.

BURBANK. Flesh amber-yellow with rich sugary flavor. Skin of cherry-red. Fruit large and has rich sugary flavor. Very productive.

OZARK PREMIER. Extra large with yellow juicy flesh and bright red skin. A cling, ripening about August 1 and very productive.

SAPA (Hansen Hybrid). Starts producing the first year. Fruit and flesh are both purple, large in size and of fine flavor. Bears heavy crops annually and ripens about middle of July.

**PROTECT YOUR FRUITS
ASK FOR COMPLETE SPRAY CHART**

SMALL FRUITS

BERRY PLANTS

THORNLESS BOYSENBERRY. A berry twice the size of a Youngberry, with a combination flavor of Loganberries, Raspberries and Blackberries. Produces berries in about 2½ months' period of time. Prepaid\$2.40 \$4.00

BLACKBERRIES

EARLY HARVEST. One of the earliest berries, medium sized, good quality and very productive. Prepaid\$2.40 \$4.00 \$11.45

ELDORADO. Fruit handsome in appearance and of high quality. Ripens in early midseason. Immune to blackberry rust. Prepaid..... 2.40 4.00 11.45

MCDONALD. (Very Early). A blackberry-dewberry hybrid. It is large, oblong, very good quality; drought-resistant, vigorous grower; plant in rows 8 to 10 feet apart. The vine trails on the ground the first season like the dewberry, but grows upright the next year. Grown in Missouri, Oklahoma and Texas. Not hardy and is self-sterile. Plant every fourth row with Lucretia Dewberry or Early Harvest to develop good berries..... 4.00 11.45

STRAWBERRIES

FOR SPRING SHIPMENT ONLY

AROMA. (Late.) Favorite market and home garden variety. Berries wedge-shaped, very deep red, solid, rich and delicious. 25 for \$1.20 50 for \$1.90 100 for \$2.80; Prepaid.

GIANT GEM. Everbearing Strawberry. By its outstanding performance over a period of years, Giant Gem has long been a leading everbearing Strawberry. Very productive. Bright red berries are large, good quality, and ripen evenly. They will bear this summer, 90 days after planting. Next year they will bear spring, summer, and fall. 25 for \$1.45 50 for \$2.30 100 for \$3.80; Postpaid.

BLAKEMORE. (Extra Early). This fine variety has proved its worth during these drought years, producing large crops under most adverse conditions. Firm, excellent color, heavy producer. 25 for \$1.20 50 for \$1.90 100 for \$2.80; Postpaid.

SENATOR DUNLAP. (Medium Late.) The old reliable berry that thrives everywhere, producing big crops on all soils. A favorite for canning, table and market. 25 for \$1.20 50 for \$1.90 100 for \$2.80; Postpaid.

NEW ROBINSON. A sweet, solid berry, scarlet in color and heavy producer. Uniform in size, extra large, and are solid red all the way through. Delicious sweet flavor. Ripens just later than Blakemore and bears fruit for a long period. Large berries to the last picking. 25 for \$1.20 50 for \$1.90 100 for \$2.80; Postpaid

RASPBERRIES

BLACK—

CUMBERLAND. Fruit large and firm; keeps and ships well. Stout, well branched canes that produce immense quantities of fruit. 12 for \$2.40 25 for \$3.80 100 for \$11.45; Prepaid.

MORRISON BLACK RASPBERRY. (New Giant Black Raspberry). This new berry is drought resistant and ripens a little later than Cumberland. Berries of immense size, very sweet and juicy. Plants are healthy, vigorous growers. 12 for \$2.55 25 for \$4.25 100 for \$12.45; Prepaid.

RED—

LATHAM. Large fruit, richly brilliant red; most attractive. Perfectly hardy and a heavy crop producer. 12 for \$2.90 25 for \$4.80 100 for \$14.25; Prepaid

INDIAN SUMMER. Everbearing Red Raspberry. Many are planting Indian Summer as a one-crop variety because of its vigor and large size, fine flavored berries. Berries are much larger than other everbearing types and of excellent quality. The summer crop ripens very early; the autumn crop from September until frost. 12 for \$2.90; 25 for \$4.80; 100 for \$14.25; prepaid.

CURRANTS

GOOSEBERRIES

Delicious for pies, jams, jellies and sauce.

RED LAKE CURRANT. A new red currant of superior quality and flavor. Hardy and a heavy yielder of large berries. 85c each, 5 for \$3.10.

OREGON CHAMPION GOOSEBERRY. Outstanding in both quality and size. Large transparent berries of excellent quality. 90c each, 5 for \$3.40.

PIXWELL GOOSEBERRY. A practically thornless, new variety. Oval berries of immense size in great abundance. Easy to pick because fruit hangs away from stems. \$1.05 each, 5 for \$4.40.

GRAPES

Plant in rows ten feet apart, eight feet apart in the row. Can be planted along the fence and turn that waste ground to a most profitable crop. Prices prepaid.

	Each	Per 4	Per 12	Per 25
AGAWAM (Red). The most widely grown of the red Grapes. Large, rich, sweet and aromatic. Ripens after Concord\$0.60		\$1.75	\$4.10	\$7.50

CONCORD. Blue, midseason, large50	1.20	3.00	5.25
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FREDONIA (Purple). A new Grape which experts and most growers say will soon become the leading black Grape in America. It ripens early, 10 days before Moore's early. Berries are large, very juicy, and have delicious flavor. This vigorous, productive variety is unusually hardy. Plant some Fredonia vines this year. .60	1.75	4.10	7.50
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NIAGARA. Delicious white berries in large bunches. About same maturity as Concord60	1.75	4.10	7.50
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**GROW FRUIT and VEGETABLES
for HEALTH and PROFIT**



Dahlia

DECORATIVE DAHLIAS

Please Bear in Mind—We offer only high test Exhibition Variety Tubers, such as have been duly tested and grown by us, and are true to name and color.

JANE COWL (Dec.). Bronzy buff and old gold, darker towards center. Each, 50c; dozen, \$5.00.

MARG. WOODROW WILSON (D.) Monster cream, reverse phlox-pink. Each, 50c; dozen, \$5.00.

MRS. I. DE VER WARNER (Marean). A blossom of soft orchid coloring. Each, 50c; dozen, \$5.00.

COMMANDO. A clear shade of dark lavender. Large and strikingly handsome. Each, 50c; dozen, \$5.00.

GALLANT FOX. A decorative dahlia of brilliant dark red color. Each, 40c; dozen, \$4.00.

SON OF SATAN. A cactus type dahlia. Bright scarlet flowers of immense size borne on long, strong stems. Each, 65c; dozen, \$7.00.

JERSEY'S BEAUTY (Decorative). A true, pure pink. Each, 50c; dozen, \$5.00.

WHITE WONDER (Decorative). Pure white of fine form; a profuse bloomer on stiff stems; the best commercial white. Each, 50c; dozen, \$5.00.

All Dahlias in single and dozen lots prepaid; in larger quantities at purchaser's expense.

TUBEROUS ROOTED BEGONIA

Everyone should plant some of these bulbs. Easy to grow either in pots or in the shade out of doors. Flowers of exquisite beauty in colors of scarlet, pink, salmon, yellow or white. 25c each; \$2.50 dozen.

TUBEROSES

EXCELSIOR DWARF PEARL. Rich, waxy white, very double and remarkably fragrant. 2 for 35c; \$1.50 dozen; postpaid.

TALL SINGLE. Flower spikes $3\frac{1}{2}$ to 5 feet high. First size bulbs, 2 for 25c; \$1.25 dozen; postpaid.

CALADIUM ESCULENTUM

ELEPHANTS EAR

FIRST SIZE BULBS. $1\frac{1}{2}$ to $2\frac{1}{2}$ inches in diameter. Each, 25c, postpaid.

SELECT SIZE BULBS. $2\frac{1}{2}$ to 3 inches in diameter. Each, 50c, postpaid.

MONSTER SIZE BULBS. 75c each, postpaid.

LILY OF THE VALLEY. 85c clump.

MADEIRA VINE. Tubers, 50c dozen, postpaid.

BULBS POSTPAID
in single and dozen lots only

SUMMER FLOWERING BULBS



Cannas

GLADIOLI

ROSA VAN LIMA. A large, light pink flower with lighter throat, penciled marking on each petal. A tall strong spike with up to 8 or more blooms.

PICARDY. A giant, soft shrimp pink without flecking. A blotch of light flesh pink shading to shrimp pink at edges. Long spikes with 7 to 10 florets opening at a time.

NEW EUROPE. A large sparkling orange-scarlet with a small purple stripe in the throat. Strong spikes bearing enormous florets, 10 or more opening at a time.

SPOTLIGHT. Large. Brilliant clear medium red of fine texture. Lightly ruffled, flat blooms that are well placed on a very tall spike. 5 to 7 flowers open at one time.

ELIZABETH THE QUEEN. A most distinctive, beautiful lavender with darker lines in the throat. Large and beautifully ruffled with 7 or 8 blooms opening at a time.

PAUL RUBENS. Flowers of reddish, deep violet, large and of heavy substance on strong, tall spikes. 7 or more open at a time.

BLUE BEAUTY. Medium blue shading darker toward the edges. Stem tall and straight with 5 to 6 blooms.

SNOW PRINCESS. Large, beautiful milky white with cream throat. 6 to 8 well placed blooms on a tall stem.

LEADING LADY. Creamy sport of Picardy. A beautiful cream white with canary yellow throat. Flower and habits identical with Picardy.

YELLOW HERALD. Early and large flowers of amber yellow color with carmine in the throat. Wide open flowers on a strong upright stem.

For Flowers, use
VIGORO

CANNAS

Ready March 1 to June 1

KING HUMBERT. The Royal Red Canna. Height 5 feet. 20c each; \$2.20 per dozen; postpaid.

THE PRESIDENT. 4 feet; in color a rich glowing scarlet. 20c each; \$2.20 per dozen; postpaid.

YELLOW HUMBERT. Fine yellow, spotted with red. Height 4 feet. 20c each; \$2.20 per dozen; postpaid.

EUREKA WHITE. Each, 20c; \$2.20 per dozen.

CITY OF PORTLAND. 4 feet; soft pink. 20c each; \$2.20 per dozen; postpaid.

Postpaid.

POTTING SOIL

Our Composted Potting Soil is a special blend of rotted manures, peat moss, vermiculite, humus and selected garden soils all fortified with Supro. 1-lb. bag for 15c; 3-lb. bag for 35c; 5-lb. bag for 50c; 10-lb. bag for 75c. Postage extra.

BEDDING PLANTS

Can Be Shipped by Express or Bus.
Not Prepaid.

Plants out of $2\frac{1}{4}$ -inch pots or flats. 15c each or \$1.50 per dozen.

Plants out of 4-inch pots. 50c each or \$5.00 per dozen.

COLEUS. All bedding varieties.

CHRYSANTHEMUMS. In all colors. 25c each.

FUCHSIA. Assorted. 25c and 50c each.

FEVERFEW. Thrifty, strong plants, 25c each.

GERANIUMS. Out of 4-inch pots only. Double or single. All colors; 75c each; \$7.50 per dozen.

PANSIES. Large, imported varieties, in bloom. 50c dozen.

PETUNIAS. Single, assorted colors. Out of 3-inch pots. 50c dozen.

PETUNIAS. Double, assorted colors. 25c and 35c each.

PHILODENDRONS. 50c each.

SALVIA or SCARLET SAGE. Large flowering. 50c dozen.

CANNAS. Growing plants, assorted. 50c each; \$5.00 dozen.

CHINESE GIANT ASTER. Per dozen plants, 50c.

GROWING FERNS. For porch boxes and hanging baskets; $2\frac{1}{2}$ -inch pot size. 20c each.

AFRICAN VIOLETS out of 4 inch pots only \$1.50 each.

Gladioli Bulb Prices

85c doz.

HARDY GARDEN LILIES

Beautiful and Permanent

Lilies are becoming increasingly popular and may be grown successfully by any gardener. They bring charm to the garden quite different from that of any other flower. You may have cool whites, rich yellows and dazzling scarlets. Lilies may be had in bloom from early summer until fall by proper selection.

Plant Lilies informally in clumps or large masses. Place the bulbs 4 to 8 inches deep (depending upon variety and size of bulbs), with a handful of sand around each one. If the soil is well enriched, so much the better for the size and beauty of the flower. A well drained deep soil gives the best results. Bone meal is the best fertilizer.

The New Wonder Lily—Everblooming

PHILIPPINENSE FORMOSANUM. A very graceful hardy Lily with long, well-mouthed, trumpet-like flowers; pure white with a beautiful pale emerald-green throat. Very fragrant. They commence blooming in early August and continue to flower until frost. Plant 4 inches deep in well drained, sandy soil. 3 to 4 feet high. 60c each.

The Best Varieties

TIGRINUM SPLENDENS. Improved single Tiger Lily. Very hardy native lily; orange-red, spotted purple-black. 50c each.

TIGRINUM FLORE PLENO. Double Tiger Lily. The well-known double Tiger Lily; grows from 4 to 6 feet high, and bears an immense number of bright orange flowers. 50c each.

UMBELLATUM. Colors range from deepest red through all shades of crimson, rose, yellow, buff, and apricot; blooms about June 30th. 50c each.

PARDALINUM. Leopard Lily. Rich scarlet and yellow spotted with rich brown. 60c each.

CANADENSE. Meadow Lily. Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows; fine bulbs. 50c each.

CHOICE IRIS

	Each	3 for
BLUE TRIUMPH. Light soft blue with flaring falls	\$0.60	\$1.50
CALIFORNIA GOLD. Finest deep yellow, large flowers .....	.70	1.75
CHEERIO. Brilliant, rich glowing satin ruby-red, vivid orange beard .....	.60	1.50
JEAN CAYEUX. Superb coloring of light havanabrown, with a luster of golden tan.....	.60	1.50
WABASH. Clear ruffled white, falls of rich violet, distinct white border.....	.60	1.50
DWARF IRIS. Fine for rock garden, border, etc. Early bloomer, color purple and yellow, 3 for \$1.00; 12 for \$3.00.		
JAPANESE IRIS. Flowers large, richly colored. Blooms late. White, Royal Purple, Blue and Mahogany .....	.95	2.15
LANDSCAPE IRIS. A good assortment of colors for an outstanding landscape collection. 10 for \$2.25; 25 for \$4.20.		

PEONIES and BLEEDING HEARTS

OLD FASHIONED BLEEDING HEART. You will be delighted with the long graceful sprays of pink heart-shaped flowers that bloom early in the spring. Each, \$1.15; 3 for \$2.75; prepaid.

PEONIES. Always popular, always dependable. We offer three of the best varieties.

Eduis Superba. One of the best commercial Peonies; a dark pink, even color; large flat crown when fully open. Very fragrant, upright growth; early bloomer. 95c each.

Festiva Maxima. Snowy white with carmen tip. \$1.10 each.

Felix Crousse. Brilliant red. \$1.10 each.



Lillium Auratum

TENUIFOLIUM. The lovely Coral Lily of Siberia. It is the brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. They are so fine for cutting. 50c each.

THE REGAL LILY. This fine variety from Western China is admittedly one of the most beautiful Garden Lilies yet introduced. It grows 3 to 5 feet high, and blooms out-of-doors in July, continuing its glorious display well into August. It is perfectly hardy, and flourishes under very varied conditions. 50c each; \$4.50 per dozen.

SUPERBUM. Flowers bright orange-red thickly spotted with purple. 50c each.

AURATUM. A large, hardy lily with fragrant flowers composed of six petals. Delicate ivory-white in color, thickly studded with maroon spots and striped in center with golden yellow. Plant grows 3 to 5 feet and blooms from July to September. 60c each.

RUBRUM. Color rich ruby-carmine margined white. Gracefully reflexed petals. Height of plant 3 to 4 feet. Blooms in August and September. 75c each.

AMARYLLIS

GIANT HYBRID. Strong bulbs throwing vigorous stems with from three to six blooms of perfect form, ranging in color from varied markings of rose to self colors of scarlet, crimson and almost maroon. Mixed colors only. 75c each.

All Hardy Lilies in single and dozen lots are postpaid; in larger quantities at purchaser's expense.

BULBS FOR FALL PLANTING Autumn 1953

Since 1896 Springfield Seed Co.'s Bulbs for Fall Planting have been known for their high standard of quality.

Shipped direct to us from Holland to assure you of the finest bulbs obtainable.





STAR BRAND SEEDS

PURITY AND GERMINATION CERTIFICATE ATTACHED

For over 57 years the farmers of the Ozarks have put their faith in "Star Brand" Seeds. Why? Because "Star Brand" Seeds are of the highest type, fully matured, perfectly cleaned, analyzed for purity and tested for germination. To enable you to secure your seeds at the lowest price we have local representatives in every community who order their seeds in large quantities or carload lots. You can save money by ordering through our local representative—your home town merchant.

STAR BRAND RED CLOVER

At the present time it is exceptionally desirable to get a part of the farm back in this best known of the hay and legume crops. Red Clover is the best known soil builder and hay crop in this section and is also a valuable seed crop, and works in splendidly in a permanent pasture mixture.



Red Clover



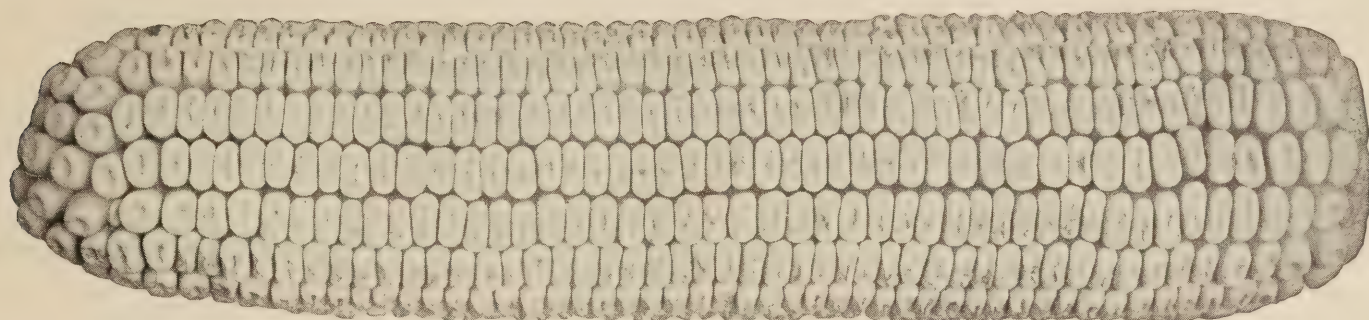
PLANTING GUIDE

WEIGHTS, MEASURES AND AMOUNT OF SEED SOWN PER ACRE.

Lbs. Lbs. per per acre bu.				Time of Seeding				Lbs. Lbs. per per acre bu.				Time of Seeding			
Alfalfa	15-20	60		Feb.-May	Aug.-Sept.			Hegari, drills	40-50	50		May-July			
Atlas Sorgo, rows	8-12	50		May-July				Hegari, broadcast	50-60	50		May-July			
Atlas Sorgo, drills	30-40	50		May-July				Johnson Grass	25-30	25		Apr.-June			
Atlas Sorgo, broadcast	75-100	50		May-July				Kaffir, drills	35-45	50		May-July			
Barley	95-100	48		Apr.-June	Aug.-Oct.			Kaffir, rows	6-8	50		May-July			
Beans, in hills	20-35	60		Apr.-Aug.				Kaffir, broadcast	50-60	50		May-July			
Bermuda Grass	4-6	40		Mar.-May	Aug.-Sept.			Lawn Grass	60-130	20		Feb.-May	Aug. Sept.		
Black Medic, drills	14-17	60		Feb.-May	Aug.-Sept.			Lespedeza, Korean	15-20	25		Feb.-May			
Black Medic, broadcast	18-22	60		Feb.-May	Aug.-Sept.			Lespedeza, Kobe	20-25	25		Feb.-Apr.			
Bluegrass, Ky., pasture	20-30	14		Feb.-May	Aug.-Sept.			Lespedeza, Sericea, broadcast	20-30	60		Feb.-May			
Bluegrass, Ky., lawns	60-130	14		Feb.-June	Aug.-Sept.			Lespedeza, Sericea, drills	3-4	60		Feb.-May			
Bluegrass, Canada, pasture	14-20	14		Mar.-June	Aug.-Sept.			Millet, German, for hay	20-30	50		Apr.-June			
Bluegrass, Canada, lawns	60-130	14		Mar.-June	Aug.-Sept.			Millet, German, for seed	25	50		Apr.-June			
Brome Grass, for hay	18-20	14		Mar.-June	Aug.-Sept.			Millet, Hog	12-15	50		Apr.-June			
Brome Grass, pasture	20-25	14		Mar.-June	Aug.-Sept.			Milo Maize, broadcast	50-60	50		Apr.-June			
Broom Corn	5-8	48		Apr.-June				Milo Maize, rows	6-8	50		Apr.-May			
Buckwheat	50-60	52		May-July				Milo Maize, drills	40-50	50		May-July			
Bur Clover	12-15	60		Feb.-May				Mung Beans, drills	5-8	60		May-July			
Canary Grass, Reeds, rows	2-3	48		Feb.-Apr.	Aug.-Sept.			Mung Beans, broadcast	50-70	60		May-July			
Canary Grass, Reeds, broadcast	7-10	48		Feb.-Apr.	Aug.-Sept.			Oats	48-70	32		Apr.-June			
Cane, forage, broadcast	75-100	50		May-July				Onion Plants	40,000-50,000			Apr.-June			
Cane, drills	50-65	50		May-July				Onion Sets	8 bu.	32		Mar.-May	Aug.-Oct.		
Cane, seed or syrup	8-10	50		May-July				Onion Seed for Sets	40-80			Mar.-May			
Clover, Alsike	4-8	60		Feb.-Apr.	Aug. Sept.			Orchard Grass, hay	21-28	14		Mar.-May			
Clover, Alsike and Timothy	15-20	45		Feb.-June	Aug. Sept.			Orchard Grass, seed	10-14	14		Mar.-May			
Clover, Crimson	12-15	50		Feb.-May	July-Sept.			Peanuts	44	22		Feb.-May	Aug.-Sept.		
Clover, Hop, alone	4-8	60		Feb.-May	Aug. Sept.			Pop Corn	8-12	56		Feb.-May	Aug.-Sept.		
Clover, Hop, in mixture	2-3	60		Feb.-May	Aug. Sept.			Potatoes	400	60		Apr.-May			
Clover, Hubam	20-25	60		Feb.-Apr.				Rape, drills	4-5	50		May-June			
Clover, Ladino	4-6	60		Feb.-May	Aug.-Sept.			Rape, broadcast	10-14	50		Mar.-May			
Clover, Mam., alone	8-12	60		Feb.-Apr.	Aug. Sept.			Red Top, solid seed	6-12	14		Apr.-June	July-Aug.		
Clover, Red, alone	8-12	60		Feb.-Apr.	Aug. Sept.			Rye, for grain	55-65	56		Apr.-June	July-Aug.		
Clover, Sweet, hulled	18-20	60		Feb.-Apr.	Aug. Sept.			Rye, Balboa, for pasture	70-85	56		Feb.-June	Sept.-Nov.		
Clover, Sweet, unhulled	30-40	60		Feb.-Apr.	Dec.-Feb.			Rye Grass, Domestic	25-35	20		Apr.-June	Sept.-Nov.		
Clover, White, Dutch	4-8	60		Feb.-May	Aug. Sept.			Rye Grass, Perennial	20-25	20		Apr.-June	Sept.-Nov.		
Corn, Field	7-14	56		May-June				Soy Beans, drills	30-40	60		Mar.-June	Sept.-Nov.		
Corn, for Silage	40-50	56		May-June				Soy Beans, broadcast	60-80	60		Mar.-June	Sept.-Nov.		
Cow Peas, broadcast	60-75	60		May-July				Soy Beans, Loreda, drills	15-20	60		May-Aug.			
Cow Peas, drills	40-50	60		May-July				Soy Beans, Loreda, broadcast	30-40	60		May-Aug.			
Cow Peas, rows	15-20	60		May-July				Speltz or Emmer	30-40	40		Apr.-July			
Canada Field Peas, broadcast	60-75	60		May-Aug.				Sudan, rows	5-7	40		Apr.-May			
Canada Field Peas, with Oats	30-45	60		Apr.-May				Sudan, broadcast	15-30	40		Apr.-June			
Crested Wheat Grass	10-12	22		Feb.-Apr.	Aug. Sept.			Sunflower, drills	20	28		May-July			
Dallas Grass	10-15	25		Feb.-Apr.	Sept.-Nov.			Sunflower, rows	3-6	28		May-July			
Darso	40-50	50		May-July				Sweet Corn, drills for fodder	75	50		May-July			
Fescue, Meadow	20-30	24		Feb.-Apr.	Aug.-Sept.			Sweet Corn, broadcast	150	50		May-June			
Fescue, other varieties	28-35	14		Apr.-June				Timothy	7-12	45		May-June			
Feterita, broadcast	50-70	50		May-July				Timothy & Clover: Timothy	8	45		Apr.-June	Aug.-Nov.		
Feterita, rows	6-8	50		May-July				Timothy & Clover: Clover	4	45		Apr.-June	Aug.-Nov.		
Feterita, drills	40-50	50		May-July				Tobacco	1-oz. to 5,000	plants					
Flax, for seed	35-45	56		May-June				Vetch, Hairy, drills	40	60		Feb.-Mar.			
Grohomia, broadcast	50-60	50		May-July				Vetch, Hairy, broadcast	50	60		Aug.-Sept.			
Grohomia, rows	6-8	50		May-July				Vetch, Spring	40	60		Mar.-Apr.			
Grohomia, drills	30-40	50		May-July				(plus 1 bu. small grain)							
Hegari, rows	6-8	50		May-July				Wheat, drills	60-80	60			Sept.-Nov.		

The Springfield Seed Company warrants to the extent of the purchase price that seeds, bulbs or plants sold are as described on the container within recognized tolerances. Seller gives no other or further Warranty, express or implied.

ASK FOR SPRAYING GUIDE FOR FIELD CROPS, FRUITS AND VEGETABLES.



Seed Corn

HYBRID CORN

SUPERIOR—DEPENDABLE—ECONOMICAL

A HYBRID CORN ADAPTED FOR THIS AREA

STAR BRAND 808 HYBRID CORN. The ears of this corn are longer and larger than Missouri No. 8 and it has a wide adaptability for a variety of soils. It shells well, is resistant to chinch bugs and grasshoppers and matures in 118 to 120 days. It is recommended for all of South Missouri, average height of plants is 10 feet with an ear height of approximately 4 feet. Has a strong stalk strength and is adapted for soils of average fertility. Highly drought resistant.

MISSOURI No. 8 HYBRID CORN. Has a larger and deeper root system which aids in obtaining moisture and to resist drouth. Its vigorous growth makes it more resistant to insect damage and diseases. It is less likely to be damaged by wind on account of the strong root system. Matures in about 110 days and grain is less hard and flinty than some hybrids.

STAR BRAND 606 HYBRID CORN. 110 to 115 day maturity. Plant height about 9½ feet with ear height about 4 feet. Deep grained, very strong stalk strength. Adapted to bottom land and soils of high fertility. Very highly resistant and high yielder.

U. S. 13. Known to most farmers in this section. Produces strong stalks with a rapid growth, developing in about 120 days. Stands drouth well and is chinch bug resistant. Has a large single ear with a short shank. Kernels deep, large round and softer than some Hybrids.

MISSOURI KING 77. 90 day hybrid corn. A good early hybrid that will compare in yield to later maturing varieties. May either be planted early or late. Is especially noted for its high yield, strong root and stalk system and uniform quality. Is adapted to both upland and bottom land soils.

OPEN POLLINATED

REID'S YELLOW DENT. Thoroughbred, pedigreed, carefully selected stock. It is of handsome shape and color and largely grown for exhibiting at fairs, and is used by many corn schools as a standard for judging, and is too well known to require lengthy description. Matures in about 115 days.

ST. CHARLES WHITE. The famous Ensilage Corn of the South. Matures in 100 to 115 days. Pure white corn, red cob, medium small; grain extra deep, ear transparent white.

GATE POST. This is now one of the most prominent late varieties of Yellow Dent Corn in the country. It matures in about 115 days.

HICKORY KING. This is an entirely distinct variety among the white Corn, the largest grain, the smallest cob. It is a great yielder, makes most excellent hominy.

NEAL'S PAYMASTER. 100-day corn. Is well suited for both lowland and upland. Produces a medium stalk with two good ears, broad white grains on a red cob, fills out well.

BOONE COUNTY WHITE, SILVER MINE, GOLD MINE, SWEET CORN FOR FODDER.

MEXICAN JUNE CORN. One of the standard silo corns; good big stalks and ear.

RED JUNE. Often matures in 65 days. Produces a medium stalk, with two good-sized ears. Is well suited for both lowland and upland.

FARM and FIELD SEEDS

ALFALFA. 60 pounds a bushel, sow 20 pounds per acre. Is a perennial legume and will produce more choice feed per acre than any other crop.

GRIMM ALFALFA. 60 pounds a bushel, sow 20 to 25 pounds per acre, differing in type, having the lateral or branching root system in place of the usual main tap root of most alfalfas.

ATLAS SORGO. Produces more grain and forage than any other sorghum. Many crops produce 10 to 20 tons per acre. The most popular of the grain sorghums. It is an enormous yielder of both forage and grain. The stalk and branches are both sweet and the grain is the most palatable of all the sorghum. It is the most valuable grain sorghum to grow because of its drought resisting qualities.

B400 BARLEY. Matures earlier than Reno and stands better for the combine. It is more resistant to loose smut disease. A bearded type grain.

WINTER BARLEY. Mo. Early Beardless. 48 pounds a bushel, sow 95 to 100 pounds per acre. It makes a quick growing crop of most excellent and nutritious feed either to use green or cure for hay. About ten days earlier than other Winter Barley.

WINTER BEARDED BARLEY. 48 pounds a bushel, sow 95 to 100 pounds per acre. A very hardy variety and is used for heavy pasturing during the winter months, from which large yield of grain may be harvested. The best winter pasture variety.

RENO BARLEY. A bearded barley equal or superior to other varieties in ability to withstand winter killing. Has a medium stiff straw and stands for the combine without excessive shattering.

BIRDSFOOT TREFOIL. A deep-rooted, long-lived perennial legume with erect growing type plants which attain a height of 12 to 30 inches. Adapted to most soils, it will often grow in soils too acid for most other legumes. Alone seed 4 to 5 pounds per acre or 1 to 3 pounds in mixtures.

KENTUCKY BLUEGRASS. 14 pounds a bushel, sow 20 to 30 pounds per acre. The foundation of hardy lawns and a natural pasture grass.

BROME GRASS or BROMUS INERMIS. 14 pounds a bushel, sow 20 pounds per acre. Noted for its drouth resisting qualities and is adapted to many soils. Big producer, makes good pasture.

BUCKWHEAT. 52 pounds a bushel, sow 50 pounds per acre. There are two distinct varieties, Japanese and Silverhull. The Japanese variety is regarded earlier. They can be sown as second crop following Barley, Rye, Wheat and Oats. Good for bees.

FODDER CANE SEED. 50 pounds a bushel, sow 75 to 100 pounds per acre. For fodder. Leading varieties used: Early Orange, Standard Orange, Early Black Amber, Grohoma, Red Top, Texas Seeded Ribbon, Japanese Honey Drip.

ALSIKE CLOVER. 60 pounds a bushel, sow 4 to 8 pounds per acre. Grows in wet bottom land also on upland loamy soils, makes wonderful hay and pasture, sown with other grasses.

ALYCE CLOVER. Produces twice as much hay and pasture as Lespedeza and is finer quality and higher feeding value. It is an annual legume and reseeds itself; is very drought resistant and will improve poor soils. Sow 15 or 20 lbs. per acre alone or may be used in permanent pasture mixtures.

CRIMSON CLOVER. Sow 15 pounds per acre. Makes an excellent green grazing crop during the winter and early spring. Very practical to sow with the fall seeding grains and is a splendid soil improving crop.

RESEEDING CRIMSON CLOVER. Sow in the fall and it will come back year after year. The "hard" seeds which fall on the ground during harvest do not sprout until fall. Seed at rate of 12 to 18 pounds per acre.

HOP CLOVER (YELLOW). Is probably the earliest clover and is recommended in pasture mixtures, combining well with other crops. Height of plant about 6 to 8 inches. Use 2 to 3 pounds per acre in pasture mixtures.

HUBAM CLOVER. 60 pounds a bushel, sow 20 to 25 pounds per acre broadcast. Annual Sweet Clover instead of perennial.

LADINO CLOVER. Known as the Giant White Clover, is primarily a pasture plant, but may be used for hay. Seed 5 to 6 lbs. per acre alone or 2 to 3 lbs. in combination with other grasses. Used extensively by better farmers.

For the best results careful preparation of the seed bed for the crop to be planted is necessary. First plow the ground well and work down until you have a firm seed bed. Choose good seed, the best is the cheapest in the long run, and sow the amount recommended. Have your soil tested and apply the required quantity of fertilizer and lime where needed. A little extra time and effort will pay you well.

MAMMOTH or SAPLING CLOVER. 60 pounds a bushel, sow 8 to 12 pounds per acre. Resembles the Medium Red but grows coarser and more vigorous.

MEDIUM RED CLOVER. 60 pounds a bushel, sow 8 to 12 pounds per acre. One of the most valuable legumes of the clover family. Cut for hay or plow under for soil fertility.

SWEET CLOVER. 60 pounds a bushel, sow 20 pounds per acre. Resembles Alfalfa both as to appearance and habit of growth when young. Good land builder, does best on soils containing lime.

WHITE DUTCH CLOVER. 60 pounds a bushel, sow 4 to 8 pounds per acre. Very hardy, used extensively for permanent pasture and lawns.

COW PEAS. 60 pounds a bushel, plant broadcast 60 pounds to an acre. Drilled 50 pounds per acre. There is no cheaper way to improve poor land than by growing Cow Peas. They add nitrogen and improve the mechanical condition of the soil. Leading varieties are: Whippoorwill, Black Eye, Mixed.

CRESTED WHEAT GRASS. Has proved a valuable pasture grass when used in mixtures with other grasses or legumes. Growth starts earlier than other grasses and often grows later in the fall. Seed 2 to 6 pounds per acre in mixtures.

FESCUE, ALTA. A tufted, deep-rooted long-living perennial grass. It produces many leaves which are shiny, dark green and broader, coarser leaves than Meadow Fescue and is grazed freely. For best results use with legumes such as Alfalfa, White Dutch Clover, Ladino or Alsike Clover or Birdsfoot Trefoil. Sow 14 to 18 pounds per acre.

FESCUE, KENTUCKY 31. Known as a year round pasture grass. Has a more spreading habit of growth than Orchard Grass and is a deep-rooted, perennial bunch grass. As the bunches increase in size it will eventually make a close, tight sod which makes it a soil-conserving crop, also prevents erosion and is best suited for a permanent pasture grass. Recommended for lawns, also, as it stays green when Blue Grass is dormant. Seed 15 to 20 pounds per acre alone or 10 pounds when seeding with a legume.

HEGARI. 50 pounds a bushel, drill 50 pounds per acre. Resembles White Kaffir but the heads are larger, stalks contain more sugar.

JOHNSON GRASS. 25 pounds a bushel. Sow 25 pounds to the acre. (Prohibited in some states.)

WHITE KAFFIR CORN. 50 pounds a bushel, sow 45 pounds per acre. Standard of all kaffirs.

KOBE LESPEDEZA. A later variety than Korean Lespedeza with plants that are larger and coarser. Is excellent for both hay and pasture. May be sown with oats, orchard grass and red top.

KOREAN LESPEDEZA. The finest of legumes for reclaiming worn out soil. A good drought resistant; it has won the distinction of being the best Summer Legume pasture which so far has been introduced in this country. It will stand heavy grazing from early summer until killed by frost. It is ideal in permanent pasture mixtures with Blue Grass, Orchard Grass or Red Top, Alsike and White Clover, and matures before smothering out of the fall grasses. Makes an excellent hay, comparing favorably with Alfalfa in feeding value. No preparation of the seedbed is necessary; it is adapted to any soil, and is at its best when other grasses and clovers are dormant. Sow 20 to 25 pounds per acre alone, or 10 pounds per acre in pasture mixtures. Although an annual it reseeds itself where seed is allowed to mature.

SERICEA PERENNIAL LESPEDEZA. Often called "The Poor Land Alfalfa." It comes each year from the crowns like Alfalfa, has an enormous root system and is a good soil builder when seeds are inoculated at planting time. Sow only scarified seeds at rate of 20 pounds per acre during April and May, preparing the seed bed as for Alfalfa and covering lightly.

MILLET. 50 pounds a bushel, sow 25 pounds per acre. The German type is most widely grown. WHITE WONDER is also very popular, produces even larger heads than the German type. HOG MILLET or Manitoba not so much for hay but yields enormous quantities of seed.

MIL O MAIZE. 50 pounds a bushel, sow 40 pounds to the acre. A bigger grower, noted for its drouth resisting qualities.

MUNG BEANS. 8 pounds of seed plant an acre. Seeds are small, mature about 15 days earlier than Soy Beans or Cow Peas and produce larger cuttings of hay.



Tall Fescue

OATS. 32 pounds a bushel, sow 1 to 2½ bushels per acre. Leading varieties for the Ozarks: Columbia, Boone, Clinton, Cherokee and Mindo.

OATS, WINTER TURF. When sown early will furnish winter grazing crop as well as a good crop of grain in the spring.

ORCHARD GRASS. 14 pounds a bushel, sow 14 pounds per acre. Hay and pasture grass furnishes good pasture both very early spring and late fall. Coarse growing bunch grass.

RAPE. Dwarf Essex, 56 pounds a bushel, sow 8 pounds per acre. Provides pasture for all kinds of stock. Makes a large yield of green forage per acre and is very fattening. A good green manure crop.

RED TOP. 14 pounds a bushel, sow 6 to 12 pounds per acre. A hay and pasture grass, succeeds on most kinds of soils, especially wet natured land.

REED CANARY GRASS. A coarse, perennial, bunching grass, growing 2 to 3 feet in diameter and 2 to 6 feet tall. It succeeds best on moist or wet land although it is little affected by drought or cold. Very palatable as a hay as well as pasture. Growth starts early in the spring. If sown alone seed 8 to 10 pounds per acre or 2 to 4 pounds in a mixture.

RYE. Winter and Spring, 56 pounds a bushel, sow 1 to 1½ bushels per acre. Has long been recognized as one of our best grains for winter pasture.

BALBOA RYE. Introduced in the last few years, grows much faster than any other rye. Stools much heavier, which means doubling the amount of grazing per acre. Also a much heavier grain producer, starts earlier and keeps green longer. Sow 1 to 1½ bushels per acre.

DOMESTIC RYE GRASS. 24 pounds a bushel, sow 25 to 35 pounds per acre. A perennial, fine leaved grass, valuable as a green forage plant on land not easily cultivated.

PERENNIAL RYE GRASS. Used in permanent pasture mixtures. Best seeded in the fall and offers early grazing when other grasses are becoming established. Sow 20 to 25 pounds per acre alone.

SOY BEANS. 60 pounds a bushel, plant one bushel per acre. They make poor land good, they make good land better. Soy Bean hay contains a high per cent of protein, is superior to Cow Peas in feeding value and as a milk and butter producer is equal to Alfalfa and superior to Cotton Seed meal. The beans and bean meal contain about 35% of digestible protein and stock eat them with relish and thrive on them. Virginia, Early Yellow, Wilson (Early Black), Illini, Laredo.

FARM and FIELD SEEDS—(Cont'd)

SUDAN GRASS—A quick growing summer hay grass, often yielding two or three cuttings a season. The entire plant is eaten by stock and well liked. More and finer hay is secured when the seed is sown broadcast and often produces four tons or more to the acre. As an emergency pasture crop Sudan Grass has few equals. Also used as an ensilage and has about an equal value to corn silage. It is a very good drought resistant. Should be sown about two weeks after corn planting time, but can be sown up to the first week in July.

SUNFLOWER. Mammoth Russian, sow 6 pounds per acre. Produces heads of an immense size, 15 to 20 inches in diameter, fine for poultry.

TIMOTHY. 45 pounds a bushel, sow 7 to 12 pounds per acre. It is the best known and most extensively grown tame grass in the country.

TIMOTHY and ALSIKE. 45 pounds a bushel, sow 15 to 20 pounds per acre. Adapted for the same kind of soils, matures at the same time, producing a good crop of hay or pasture.

TIMOTHY and CLOVER. 45 pounds a bushel, sow 10 to 12 pounds per acre. A very practical mixture for hay.

VETCH. Sand or Hairy and Spring. 60 pounds a bushel, sow 50 pounds per acre. Splendid variety of forage plant, hardy, valuable winter cover crop. Land builder.

WHEAT. 60 pounds a bushel, sow 80 pounds per acre. Clarkan recleaned winter soft. Dunbar recleaned winter soft.

USE OF PASTURE MIXTURES

A combination of grasses and legumes aid materially in reducing feeding costs as well as prevents soil erosion. The yields from legume-grass mixtures are normally higher than where they are grown alone. Growth of weeds are retarded as grasses between the legume plants give them no chance to get started. The value of year round pasture cannot be over estimated.

A mixture of grasses and legumes is recommended for silage as well as pasture.

Orchard Grass or Tall Fescues combine with Ladino Clover makes excellent combinations. Alsike Clover and Red Top may be added if desired.

Other crops recommended are: Alyce Clover, Blue Grass, Red Clover, Korean Lespedeza, Birds foot Trefoil, Reeds Canary Grass, Timothy, Sweet Clover, White Dutch Clover and Rye Grass.

Fall grains such as Balboa Rye, Winter Barley and Winter Oats makes a good cover crop when sown in late August or September and will produce pasture during the fall and winter. A grain crop may be harvested from them if allowed to head in the spring.

Inoculate all Legume Seeds with

NITRAGIN

OVER FIFTY YEARS OF SERVICE

When ordering, Always state name of seed.

COMBINATION (AB)		SOYBEANS (S)	
Size	Retail	Size	Retail
1 bu. ea.	.....\$ .55	2 bu. ea.	.....\$ .40
2 bu. ea.	..... .95	5 bu. ea.	..... .60
		25 bu. ea.	..... 2.70
			(One can)

ALFALFA (A)

Swt., Bur, Hubam Clovers

1 bu. ea.\$.55

CLOVERS (B)

Red, Alsike, Crimson, White and Ladino.

1/2 bu. (Ladino) ea.\$.18

1 bu. ea.55

LESPEDEZA (L)

100 lb. size (Inoculates up to 100 lbs.) ..\$.55

PEAS, VETCHES (C)

(All But Crown)

100 lb. size (Inoculates up to 100 lbs.) ea.\$.50

GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans.

Enough for 8 lbs. seed — Retail Price 15c each



SEED DISINFECTANTS BEFORE PLANTING

ARASAN. Use dry on all corns for checking seed blight and certain seed-borne rots of root and stalk. Increased yields are obtained by using Arasan on Alfalfa, Pasture Grasses, Lawn Grass and other small legumes as well as some vegetables and peanuts.

3/4 oz. size.....	\$ 0.25
3 oz. size.....	1.00
2 lb. can.....	3.20
10 lb. bag.....	11.50

NEW IMPROVED CERESAN. One pound treats 32 bushel of Barley, Oats, Rye or Wheat. Use as a dry treatment to control certain seed-borne diseases. Especially recommended for control of smuts.

1 lb. size.....	\$1.30
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SEMESAN. A general disinfectant for Flower seed, Bulbs and Vegetables.

2 oz. size.....	\$ 0.60
12 oz. size.....	2.85

SEMESAN BEL. Treat your seed potatoes as fast as you can dip them. Reduces seed-borne scab and Rhizoctonia and seed decay. 1 pound treats 60 to 80 bushel of seed.

2 oz. size.....	\$0.50
1 lb. can.....	2.30
4 lb. can.....	7.50

GRASS SEEDERS

CYCLONE. A splendid seed sower that will pay for itself in a few days in the time saved. Each.....\$4.30

LITTLE GIANT. Similar in operation to the Cyclone. Size slightly smaller. Each....\$4.10

THE HORN. Each.....\$1.60
Postage extra, 30c each.



d-CON. The original WARFARIN rat killer. Will destroy whole colonies of rats and mice—even where many other poisons have failed. Sold on a guarantee of satisfaction or your money back by the manufacturer.

	Each
8 oz. concentrate with Lurex (makes 6 lbs. of bait)....	\$2.98
1 lb. ready-mix with Lurex.....	1.69
Mouse-Prufe 4-oz. size (ready to use).....	.89
	Postage Extra.

INSECTICIDES and FUNGICIDES

PARIS GREEN

ACME ALL ROUND SPRAY

For roses, azaleas, other flowers, shrubs, vegetables and vines. When applied to roses it will control rose chafer, leaf-hopper, aphid, sawfly and Japanese beetle, as well as such diseases as black spot and mildew. 1 lb., \$1.10; 4 lbs., \$3.50.

ACME APHIS SPRAY. Nicotine Sulphate combined with soap. May be used on all plants and shrubbery. 3-oz. tube, 40c.

Acme 6% Chlordane Dust

IN GARDENS—Controls cutworm, earwig, mole cricket, sowbug, millipede, slug, snail, leaf cutting ant, grasshopper, thrip, plant bug.

IN THE HOME—Controls ant, cockroach, waterbug, silverfish, carpet beetle, flea, cricket.

IN SOIL—Controls wireworm, white grub, Japanese beetle grub, root maggot.

IN LAWNS—Controls ant, chinch bug, chigger, white grub, Japanese beetle, grub, sod webworm (lawn moth).

1-lb. sifter can, 60c; 4-lb. bag, \$1.50 each.

ACME DIMITE. For red spiders and mites on evergreens, flowers and fruit trees. Two ounces makes 12 gallons of spray. 2-oz. size, 69c each.

ACME GARDEN GUARD. Known for its high quality and effectiveness for many insects which DDT will not control. Used for cabbage worm, Mexican bean beetle, aphid, tarnished plant bug, rose caterpillar, thrip and leaf tyer and other insects. 1-lb. can, 50c.

ACME STOP. A sticky barrier used to band trees, shrubs and vines to prevent insects from crawling up to the foliage. Its principal use is on shade trees, apple trees, as well as grape vines. 1 lb., \$1.05.

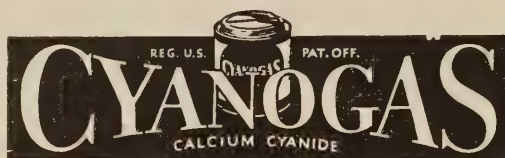
ACME WETTABLE DUSTING SULPHUR. A high grade sulphur which may either be used as a dust or spray. Recommended highly for fungus diseases such as mildew, black spot, leaf spot, rust, red spider, thrip, etc., on roses, chrysanthemums, snapdragons, carnations, dahlias and most other flowers. 2-lb. carton, 59c each.

ACME TOMATO DUST. A specific insecticide and fungicide for better tomatoe protection. Controls both early and late blight as well as hornworm, fruit worm and flea beetle. Especially designed to avoid injury caused by ordinary bordeaux mixes. Suitable on flowers and vegetables as a general garden dust. 1-lb. can, 60c.

ARSENATE OF LEAD (Powdered.) Controls practically all leaf-eating insects in an efficient manner. Used either for dusting or spraying. 1 to 1½ lbs. diluted to 50 gallons of water if used as a spray.

BORDEAUX MIXTURE. Much used to cure and prevent mildew, blight, black rot, leaf curl or other fungoid diseases on fruits and plants. Can be applied dry or wet. 1 lb. will make 8 gallons of liquid.

PRICES ON INSECTICIDES AND FERTILIZERS ARE AT OUR STORE ONLY AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.



CYANO GAS, a Dust. Rats, Moles, Woodchucks. Cyanogas is not a bait! It is different! Simply pump it into the rat burrows or mole runways—for woodchucks a heaping tablespoonful placed in the burrow is sufficient. Cyanogas seeks the pests and kills them instantly. 1 lb., \$1.00; 5 lbs., \$3.85; 25 lbs., \$12.90; 100 lbs., \$31.00. Prices subject to change.

CYANO GAS ANT-KILLER. For use in ant nest. Simple to use and very effective. 4-oz. glass, 39c each.

COPPER SULPHATE or BLUE-STONE. Lb., 20c.

ROTENONE DUST. For the extermination of bean, cucumber, muskmelon and watermelon beetle. Lb., 50c.

BLACK LEAF ROTENONE DUST. An effective dust or spray to protect Flowers, Fruits and Vegetable plants from many of the common insect pests and diseases. 1-lb. can, 50c.

LIME SULPHUR SOLUTION. In barrel lots, about 55 gallons to barrel. Ask for prices.

5-gal. can, 95c gal.; 1-gal. glass jug, \$1.00 gal.

OIL EMULSION. 1-gallon size, \$1.25 per gallon.

LIME-SULPHUR, DRY. Exactly like Lime and Sulphur. For fall and spring sprayings. Use 12 to 15 lbs. to 50 gallons of water. Lb., 60c; 5 lbs., \$2.50.

PARADICHLOROBENZENE. (For Peach Tree Borer.) Lb., 40c.

RED ARROW. An effective, non-poisonous solution that is deadly to all insects. Will not burn, blight, or stain the most tender foliage. May be safely used on all fruits and vegetables. Dilute with 200 to 800 parts of water. Full instructions with every bottle. 1-oz. glass, 35c; 4-oz. glass, \$1.00; 1-pt. glass, \$2.75.

TOBACCO DUST

Contains the right amount of Nicotine, and is an eradicator of poultry ills. For poultry feeding mix 2 pounds of Springfield Seed Company's Tobacco Dust with each 100 pounds of feed or mash. 2-lb. carton, 30c; 10-lb. carton, \$1.05.

SLUG SHOT. A fine reddish dust harmless to plants, but powerfully effective against all kinds of worms, beetles and bugs, besides being a splendid fungicide. 1-lb. sifter can, 50c; 5-lb. pkg. for \$1.95.



... no unsightliness following garden dusting! A few strokes of the exclusive EndoPest dust gun envelops your plants in an almost-invisible protecting film... gives you control over most chewing insects, sucking insects and fungus diseases! Use with confidence on edible fruits and vegetables. We have refill cartridges for the guns.

MADE BY SWIFT

MAKERS OF VIGORO

10-oz. Applicator Gun (complete), 85c each; 10-oz. Refill Cartridge, 65c each; 2-lb. Pouring Spout Package, \$1.79 each.

"BLACK LEAF 40"

40% Nicotine

An Insecticide for PLANTS—ANIMALS—POULTRY

Is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. 1-oz. bottle, 35c; 5-oz. bottle, \$1.00, (makes 40 to 100 gallons); 1 lb., \$2.45; 2-lb. can, \$4.15, (makes 200 to 500 gallons); 10 lbs., \$12.65.

"Death Notice"

Rats . . Moles . . Gophers

Gas them to death with

SMITH'S RODENT DESTROYERS

We guarantee that the gases (when used according to directions) given off by Smith's Rodent Destroyers will kill all burrowing rodent pests.

Each, 20c; doz., \$2.00.

SWEENEY'S POISONS WHEAT. For exterminating rats, mice, moles and gophers. 20c box.

TERRO. A sure cure for ants. 25c and 50c bottles.

TERRO ROACH OR RAT KILLER. 35c each.

BEA BRAND INSECT POWDER. ¾ oz., 10c; 2 oz., 25c.

EMO-NIK

A complete contact insect spray combining nicotine in its most active form with a summer oil emulsion. For control of Aphids, Mealy Bug, Red Spider, Thrip, White Fly, Rust, Mites and certain scale insects and certain other garden pests. Pint size, 90c; gallon size, \$3.50.

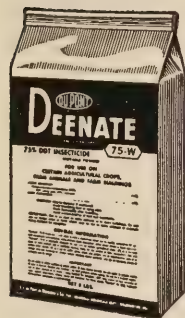
We Carry a Full Line of



Products

DEENATE 75-W DDT

Insecticide



The best all-purpose DDT for the farm. A wettable powder, containing 75% DDT, that readily mixes with water for spraying. Compatible with commonly used insecticides and fungicides. For controlling certain insects attacking fruits, vegetables, ornamentals, greenhouse crops, animals or occurring in buildings.

1-lb. carton, \$1.10 each; 2-lb. bag, \$1.50 each.

DuPONT 50% DDT

Wettable Powder

A highly effective wettable powder designed especially for water spray application. For control of many insects affecting garden and ornamental plants; also as an area treatment against wood ticks, mosquitoes and flies, and as a residual insecticide around buildings. 1-lb. can, 90c each.

BHC INSECTICIDE

For control of mange mites, lice, Texas fever tick and horn flies on beef cattle and hogs; scab mites, lice, Texas fever tick and sheep ticks on sheep, woolly apple aphids, aphids on alfalfa and aphids and greenbug on wheat. Use only as directed. We have both the 10% and 12%. Ask for prices.

COPPER-A COMPOUND

A finely divided, low solubility, fixed copper fungicide containing not less than 45% metallic copper. For control of plant diseases, especially late blight on potatoes and tomatoes, leaf spot diseases on sour cherries and tomatoes, and many diseases affecting other vegetables. A safer fungicide for copper-sensitive plants. May be used as a spray or dust. 6-lb. bag, \$2.70 each.



DU PONT DAIRY CATTLE SPRAY

A wettable powder which is safe and effective for control of dairy insects such as houseflies, hornflies, stableflies, mosquitoes and lice. Is a safe long-lasting insecticide for both cows and barns. $\frac{1}{4}$ lb. makes 3 gallons of spray. Ask for Prices.

FERMATE

Fungicide

"Fermate" is an organic fungicide especially effective when used on fruit for the control of diseases such as apple and pear scab, black rot and rust diseases. It is the only fungicide that can be used safely with oil-lead arsenate or oil-nicotine sprays.

$\frac{1}{2}$ -lb. can, 75c each; 3-lb. bag, \$2.40 each.

DuPONT FRUIT TREE SPRAY

One combined insecticide-fungicide product. You can produce really good fruit by following a simple spray schedule. For use all season. Contains Methoxychlor, "Fermate" and Sulfur for insect and disease control. 1-lb. can, \$1.15 each; 3-lb. bag, \$2.75 each.

DuPONT FUNGICIDE—A

(Parzate)

A safe, modern plant disease control chemical. Used in place of Bordeaux Mixture, other copper fungicides or sulfur. May be used with most common insecticides. 6 ounces makes about 19 gallon of spray. 6-oz. can, 85c each.

ACME 5% LINDANE

Kills three ways—by contact, with vapors, and as an internal poison. Use on fruits, vegetables, azaleas, roses and other flowers, vines and shrubs for fast control of aphids, thrips, plant bugs, caterpillars and most all common beetles and bugs. 4-oz. size. Ask for prices.

LINDANE 25% W

Recommended for control of flies in dairy barns, insect control on livestock, truck crop and ornamental insect control, and aphids, spittlebugs and grasshoppers on forage crops, alfalfa and clovers. 1-lb. can. Ask for prices.

DuPONT No. 30 LIVESTOCK SPRAY AND DIP

A general purpose spray and dip to control insect pests on livestock (except on dairy animals). Gives effective control of ticks, flies, lice and other insects on cattle, sheep, goats and horses with one treatment. Kills DDT resistant flies. Safe, dependable and easy to mix and use. 11-lb. bag; 55-lb. bag. Ask for prices.

PARATHION 15% W

For control of aphids, armyworms and grasshoppers on legumes such as vetch, alfalfa, clover and small grains like wheat, oats and barley. Also recommended for alfalfa caterpillar. May be used on general fruits and vegetables for various insects. 3-lb. bag. Ask for prices.

MANZATE

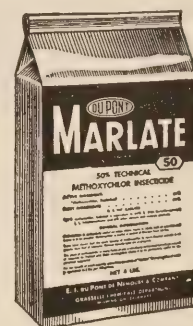
A fungicide particularly outstanding for use on tomatoes to control the major fungous diseases of foliage and fruit. Where both early and late blights are severe at the same time, on potatoes, it is especially effective. Mixes easily with other insecticides and sticks well to foliage. 25-lb. drum. Ask for prices.

MARLATE 50

50% Technical Methoxychlor Insecticide

"Marlate" 50 is an insect killer which combines three important characteristics—high insecticidal efficiency, low toxicity to warm-blooded animals and safety to plants.

"Marlate" 50 can be mixed readily with water for spraying or mixed evenly with diluents for dusting. It can be used with most fungicides. 4-lb. bag, \$3.20 each.



DuPONT 50% METHOXYCHLOR

An insecticide which may be used safely on the tenderest plants, particularly flowers, vegetables and fruits. Because of its low order of toxicity to human beings, can be used near harvest time. For general garden use 8 ounces makes about 17 gallons of spray. 8-oz. can, 75c each.

COMMERCIAL SULPHUR

99 $\frac{1}{2}$ % Pure

For medical purposes, as well as for the control of pests and fungi in Horticulture and Agriculture and for the control of external parasites on poultry, such as lice, mites, fleas, ticks and soil sulfurization in poultry pens.

1-lb. bag.....\$0.10 10-lb. bag.....\$0.60
3-lb. bag......25 25-lb. bag..... 1.25
100-lb. bag.....\$4.00

SULFORON

A Micro-fine Sulfur

An improved wettable sulfur for spraying or dusting. Easy to mix and quickly wettable, it gives superior protection of foliage and fruits. Does not injure foliage when properly used. 6-lb. bag, \$1.00 each.

A COMPLETE
LINE OF

• Sprayers • • Dusters •



Quality built for long lasting dependable service, Airosprayer is complete with 5 ft. Neoprene Hose that is acid and alkali resistant. One pound weight is attached to end of hose to strain liquids and hold hose in container.

Airosprayer dispenses a continuous unbroken spray under pressure up to 100 pounds, yet is easy to operate. Adjustable non-clogging nozzle permits variation of spray from a finely atomized mist to a 35 ft. stream. It provides virtual power sprayer performance with manual operation for a wide range of uses, including: Insect Control, Weed Control, Whitewashing, Fire Fighting, Cleaning Grease and Grime from Machinery with alkaline solution, Pumping Water from Basement Sump, Wetting Old Wallpaper Preparatory to Removal, etc. Just drop weight end of spray into container of liquid and start pumping. \$7.45 each.

No. 110—1½ gallon size Compressed Air Sprayer. Zinc grip, galvanized tank equipped with 9-inch pump and funnel top. \$7.20 each.

595—CHAPIN DUSTER. Has a glass tank with 2¾-in. opening. Extra long 18-in. barrel assures extremely large cloud of dust with each stroke. Furnished with 18-in. extension tube with under-leaf nozzle. 24-oz. tank capacity. \$1.75 each.

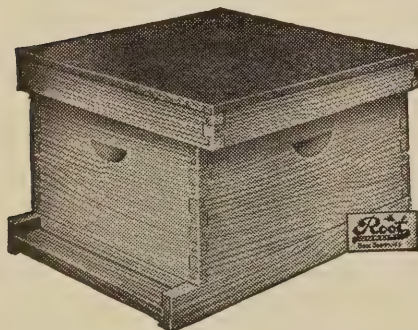


594—CHAPIN DUSTER. Has 3x3½-in. tinplate dust chamber in line with pump. The opening of 1¼ inches is pressure-proof with double-lock and compounded seams. Dust tube removable with cap. 12-oz. tank capacity. \$1.10 each.

ALL ITEMS ON THIS PAGE F. O. B. OUR STORE.

Ask for Spraying Guide for Fruit,
Vegetables and Field Crops.

BEE SUPPLIES

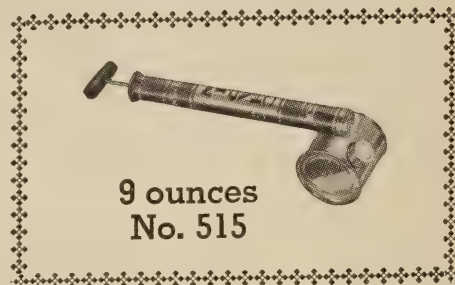


Ten-Frame Metal Covered Hive

Many farmers find it profitable to keep a few hives of bees, especially if they are growing crops for seed. Tests have shown that increased yields in seed may be expected when bees are kept near the producing fields. Whether you live on a suburban or farm you will be amply repaid for the little attention they require.

We handle a full line of the A. I. Root Company bee supplies. Write for our Bee Supply Catalog.

HAND SPRAYERS



No. 515 Chapin. 9 oz.. A perfectly balanced, inexpensive sprayer, of popular size. Tinplate tank, tightly seamed and soldered. Easy filling wide filler opening. Plunger takes hold at every stroke. 45c each.

No. 540 CHAPIN. A large capacity, low cost intermittent sprayer for insecticides on plants and flowers or for fly spray and disinfectants. Delivers a forceful, finely atomized spray. A many-purpose sprayer. 26 ounces. 60c each.

No. 500 CHAPIN. Its small compact size of 5 ounces makes it ideal for storage in a small space. Equipped with glass jar which gives content visibility at all times. Easily filled and cleaned. 30c each.

COMPRESSED AIR SPRAYERS

No. 130 CHAPIN. 2½ gallon capacity. A highly efficient light weight sprayer for smaller applications. Rust resistant tank of ARMCO Zincgrip galvanized steel. Constructed of quality material. A dependable sprayer good for a lifetime if reasonably maintained. \$8.00 each.

No. 180 CHAPIN. An open head sprayer sturdily built. Will spray anything in liquid form, operating smoothly steadily and forcefully with gentle pumping. Has large, open top 4½ in. wide and permits easy filling and cleaning. Steel tank with 12x1¾ inch pump. Oil-proof rubber valve. Adjustable shoulder strap with snap ends, wide and comfortable. Non-clog brass nozzle with extra discs for a fine, coarse or flat fan spray. Quick action trigger control. \$11.90 each.



WEED AND BRUSH KILLERS

AMMATE

Ammonium Sulfamate Weed Killer



May be used dry or in solution for permanently killing black jack oak, poison ivy, poison oak, poison sumac, chokeberry, wild blackberry and many other annual and perennial weeds. Non-poisonous and non-flammable when used as directed. 2-lb. jar, \$1.00 each; 6-lb. jar, \$2.70 each; 50-lb. drums, ask for prices.

DuPONT 2, 4-D AMINE

A selective weed killer for control of annual and perennial weeds in growing crops such as small grains, corn, rice, flax, cane and grasslands. Four pounds of acid to the gallon. 1-gallon cans. Ask for price.

DuPONT 2, 4-D ESTER

For selective weed control under difficult conditions, but not to be used in growing crops. Best for Canada and sow thistle, bindweed, morning glory, woody weeds and water weeds. Approximately three and one-half pounds of acid to the gallon. 1-gallon cans. Ask for price.

WEED-NO-MORE

A 2, 4-D selective weed killer for home use in lawns. Excellent for plantains and dandelions. 1 pint size and 1 quart size cans. Ask for price.

DuPONT TCA (90%)

For control of Johnson grass, Bermuda grass, quack grass, foxtail and crab grass. It may be used for local infestations in crop lands. 10-lb. drums. Ask for price.

DuPONT CMU WEED KILLER 80%

Provides an effective, prolonged weed control with one application on a wide range of grasses and weeds. Mixes readily with water and is safe to use on account of its low toxicity, non-inflammability and non-volatility. Keeps the ground bare of vegetation and helps to eliminate fire hazards and reduce maintenance costs. Ask for prices.

END-O-WEED SIDE SPRAY ATTACHMENT

A handy gadget that converts any half-gallon or gallon jug into a weed sprayer. Just screw it onto the jug mouth. 59c each.

DuPONT 2, 4, 5-T ESTER

Can be used either separately or in combination with 2, 4-D Ester mixtures for control of stubborn brush and hard to kill plants. Not to be used in growing crops. Approximately three and one-third pounds acid to the gallon. 1-gallon cans. Ask for price.

DuPONT 2, 4-D-2, 4, 5-T ESTER

Excellent for control of Osage orange and hedge and weeds in fence rows. Containing two pounds acid of D and two pounds acid of T. 1-gallon cans and 5-gallon cans. Ask for prices.

WEEDONE 32 BRUSH KILLER

A combination of 2, 4-D-2, 4, 5-T Ester brush killer. A balanced formulation for control of brushes, berry plants, oaks and Virginia creeper in fence rows, parks, pastures, electric lines, highways and water ways. Not recommended for selective treatment in crops. 1-quart size and 1-gallon size cans. Ask for prices.

See Page 35 for Other Weed Killers.

GARDEN TOOLS



GO6¼—GARDEN HOE. Blades 6¼ inches wide by 4¼ inches deep. A socket style hoe with sharp cutting edge. \$2.25 each.

2PF—WEEDING HOE. Blade and shank forged from one piece of steel. Size of blade 3½ inches wide by 8¼ inches deep with 4½ ft. handle. \$1.40 each.

SC4—SPEEDY CULTIVATOR. Four sharp curved tines. 4 inches long and 5 inches wide. For fast work in preparing the soil for seeding and cultivation. A simple pulling motion penetrates the soil. \$2.45 each.

DE3—MATTOCK. Blades and cutters forged from one solid piece of steel. Width of blades 3½ inches and 1¾ inches, length of head 13¾ inches. 4½ feet fire hardened handle. \$2.75 each.

SFES—DYNAMIC GARDEN SPADE. Blade 7¼x12 inches. Fitted with fire hardened ash handle. \$2.95 each.

MS—SPADING FORK. General purpose digging fork. Tines 10¾ inches long. Width of fork about 7¼ inches. \$2.70 each.

B15—BOW RAKE. One pieced solid steel blown head with 15 teeth. Teeth are curved and are 2¾ inches long. 5-ft. knob end ash handle, fire hardened. \$2.50 each.

CG—CRABGRASS or DANDELION RAKE. 26 teeth, 1¾ inches long. 5-ft. fire hardened handle. Shank riveted to head. \$2.00 each.



FBR22—LAWN RAKE or BRUME. Flexible spring steel teeth shaped to pick up smallest leaves without cutting grass roots. Maximum spread 19 inches. 3½-ft. ash handle, fire hardened. \$1.65 each.



26—WEED CUTTER. 13-inch steel blade about 2½ inches wide sharpened on both sides. Has convenient long handle. \$1.85 each.

1½—GRASS HOOK. 12-inch cycle with 6-inch handle. 75c each.

3 HANDY HEAVY DUTY GARDEN TOOLS



GARDEN TROWEL25c each

FOUR-TINED HAND FORK....25c each

FIVE-PRONG WEEDER.....25c each

A complete line of
PRUNING SHEARS, GRASS
CLIPPERS and LAWN MOWERS
See us about your garden tool needs.

SOIL CONDITIONERS**KRILIUM**

Have better gardens, finer lawns, healthier house plants. Mixed thoroughly in the soil, Krilium will turn hard-packed clay into loose, easy to work soil. When used according to directions the soil will not pack down and get hard again. 5 lbs. treats 80 sq. ft. to a depth of 3 inches or 40 sq. ft. to a depth of 6 inches. 5-lb. can, \$6.95 each. Postage extra.

**DU PONT
SOIL CONDITIONER W**

Use on clay-type soils for a better plant growth to reduce crusting and erosion. Gives a better water retention. Dissolve in water and apply with ordinary watering can. May be used in flower and vegetable beds or new lawns, where soil has been worked. 8 ounces will treat 100 square feet. 4-oz. can, \$1.75; 8-oz. can, \$2.75; 2-lb. can, \$9.00. Postage extra.

ACP SOIL CONDITIONER

Hard clay or similar problem soils may be turned into easily cultivated earth. The two most effective soil stabilizing elements combined with essential mineral elements, and hormones in proportions best suited to promote soil aggregation and plant vigor. May either be used as a dry powder or dispersed in water with a sprinkling can. 2½ lbs. will treat 40 square feet to a depth of 3 inches. ½-lb. can, \$1.00 each; 2½-lb. can, \$3.55 each. Postage extra.

**SPRINGFIELD SEED CO'S
(STAR BRAND)****MEXICAN CHILI
POWDER**

Full Directions, "How to Make Good Chili," Mexican Style, on Every Can. Containing ground spices, chili pepper, Mexican sage, comino, celery, garlic, etc.

¼-pound sealed can, each	.....\$0.25
½-pound sealed can, each	......40
1-pound sealed can, per lb.	......60
5-pound sealed can, per lb.	......48
25-pound lots, per lb.	......46
50-pound lots, per lb.	......45½
100-pound lots, per lb.	......45

Not postpaid.

CHILI SUPPLIES

STRICTLY FRESH—NEW CROP.

Comino	.....Oz.	\$0.05
Chili Pepper Pods	.....	.10
Chiline, ground	.....	.10
Mexican Chili Powder Mixture	.....	.10
Chili Petine Pods	.....	.15
Oregano or Mexican Sage	.....	.10
Garden Sage	.....	.10
Oriental Pepper, hot	.....	.10
Mexican Garlic	.....	.05
Chili Beans	.....	Ask for Price
Pepper, Cayenne, Red Hot	.....	.10
Pepper, ground, black, in bulk	.....	.25
Paprika	.....	.10
Caraway	.....	.10
Star Anise Seed	.....	.10
Anise Seed	.....	.10
Poppy Seed	.....	.10
Celery Seed	.....	.10
Coriander Seed	.....	.10
Yellow Mustard Seed	.....	.05
Tumeric, Powdered	.....	.10
Dill Seed	.....	.10
Bay Leaves	.....	.10
Mixed Pickling Spices, special mix.	.....	.10

Recipes for Making Mexican Dishes Sent Free on Application. Not postpaid.

**Tri-Ogen**

A complete rose spray. Concentrated insect spray and fungicide for garden and greenhouse plants. Size E-Kit, \$1.50; Size A-Kit, \$2.35.

**STIM-U-PLANT'S
AFRICAN VIOLET FOOD**

The only plant food for African Violet use. Formulated for the growth and successful blooming of your African Violets. Contains vitamin B¹ and plant hormones. ¾-oz. size, 15c; 3-oz. size, 35c; 7-oz. size, 60c.

**STIM-U-PLANT'S
AFRICAN VIOLET SOIL**

A soil prepared for this particular plant. 1½-lb. size, 20c; 4-lb. size, 39c.

DU PONT FLORAL DUST

A product that may be safely used on the tenderest blooms for preventing attacks by insects and diseases, yet powerful enough to control the most severe attack. Methoxychlor, "Fermate," sulphur and rotenone combined to control insects and diseases on many flowers throughout the season. Use either as a spray or dust. 8-oz. refillable dust guns, 79c each; 1-lb. can, \$1.15 each.

RA-PID-GRO

A liquid plant food for the foliage feeding of all growing plants. A complete diet for all plants, contains more than 17 elements and trace elements. Have vegetables ahead of others with better flavor, higher coloring and increased crop yields. 2-oz. size, 25c each; 8-oz. size, 69c each; 1-lb. can, \$1.25 each; 2-lb. can, \$2.35 each. Prices on larger sizes on request.

ROSS ROOT FEEDER

Puts the water and fertilizer directly to the roots. Attach to any standard garden hose and push it into the ground to the right depth. If fertilizing is desired, place a 8-16-8 cartridge in the chamber and water dissolves and takes it directly to the roots. For watering just attach to hose and push feeder into the ground to desired depth. Places water and food among the roots where it is needed. Lasts for a lifetime. Ross Root Feeder, complete with one dozen fertilizer cartridges, \$4.95. Extra cartridges, choice of acid or neutral, 12 to box, \$1.00.

INSTANT VIGORO

A completely water soluble, concentrated powder designed for use as a liquid plant food for both foliage and root feeding. 8-oz. can, 80c each; 16-oz. can, \$1.25 each.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

BIRD SEEDS, ETC.

Mixed Bird Seed	.....Lb.	\$0.50
Hemp Seed	.....	.50
Canary	.....	.45
Bird Millet (re-cleaned)	.....	.35
Sunflower Seed for Parrots	.....	.55
Bird Lettuce	.....Oz., 15c	.90
Bird Biscuit (Sing Song)	.....Pkg.	\$0.25
Spratt's Song Food	.....	.25
Bird Gravel	.....	.15

Postpaid

POT or GARDEN LABELS

	Painted	
Wooden—	100	1,000
4-inch	.....\$0.50	\$4.00
5-inch	......60	4.50
6-inch	......70	5.00
GREEN BAMBOO CANE STAKES. 3 ft. size, for tying up flowering plants. \$2.50 per 100.		

TREE LABELS—Painted

3½x5½ inch, wired	.....100, \$0.60	1000, \$5.00
3-PLY COTTON TWINE	.....	Lb., .75

FLOWER POTS

Cannot be sent by parcel post on account of breakable nature.

POTS ONLY

At Our Store Only

	Each	Doz.
2¼ inch	.....\$0.05	\$0.50
3 inch	......07	.65
4 inch	......10	1.00
5 inch	......15	1.50
6 inch	......20	2.00
7 inch	......25	2.50
8 inch	......35	3.50
9 inch	......60	7.00
10 inch	......75	8.50
12 inch	.....1.50	.....

Measure across top. Saucers extra.

Prices Subject to Change.

ALL ITEMS ON THIS PAGE F. O. B. OUR STORE.



LAWN FERTILIZERS and WEED KILLERS

FERTILIZERS

To produce large crops of the best quality vegetables, you must, above all, plant good seed to start with, and in addition to this use a sufficient amount of fertilizer to provide the proper amount of plant food necessary for healthy growth.

VIGORO

Complete plant food

VIGORO supplies just what is needed to produce a beautiful lawn, flowers, shrubbery and trees. Vigoro is clean, odorless, sanitary, economical, and easy to apply by hand or spreader.

Dimensions of Ground	Rate of Application per 100 Square Feet	Amt. Necessary for One Application
20x 50 ft.	2 lbs. (equal 1 qt.)	25 lbs.
20x 50 ft.	4 lbs. (equal 2 qt.)	50 lbs.
50x100 ft.	2 lbs. (equal 1 qt.)	100 lbs.
50x100 ft.	4 lbs. (equal 2 qt.)	200 lbs.

PRICES

1-lb. pkg.	.....\$0.15
5-lb. pkg.	..... .53
10-lb. pkg.	..... .95
25-lb. bag.	..... 1.70
50-lb. bag.	..... 2.80
100-lb. bag.	..... 4.55

VIGORO TABLETS

Package of 24.....15c

Ask for VIGORO Home Beautiful formation on making a lawn, growing shrubbery, flowers, vegetables and trees. booklet. This booklet gives valuable in-



ACTIVO—Improved Compost Developer

Enrich your garden soil, convert garden waste, old leaves, straw, vines, weeds, grass-clippings, shredded corn stalks, vegetable trimmings, etc., by using ACTIVO into rich organic manure or fertilizer. It will speed the decomposition of waste plant materials which contain natural bacteria that can be turned back into soil enrichment. No. 2 size, \$1.00; No. 7 size, \$2.49; No. 20 size, \$5.95 each; postpaid.

ALUMINUM SULPHATE. The proper fertilizer for Rhododendrons or Azaleas. Creates the necessary acid condition of the soil.

AMONIUM NITRATE.

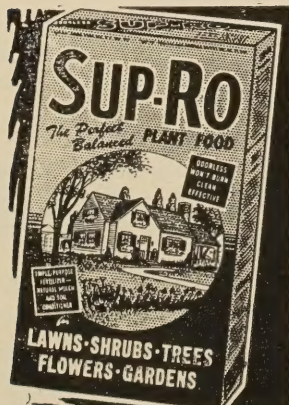
NITRATE OF SODA.

LIME (Hydrated). For lawn and field use where the ground has become sour. 50 lbs., 65c; 100 lbs., \$1.25.

HORTICULTURAL PEAT MOSS

Use Horticultural Peat Moss for the physical improvement of soils, lawns, gardens, flower beds, shrubberies, chicken litter, etc. 6-oz. pkg., 10c each.

2-Bushel size, \$1.75; per bale (about 100 lbs.).....\$5.25



SUP-RO. Complete fertilizer and plant food. Feed roots gradually. Goes twice as far without burning and no odor. Use for lawns, shrubs, trees, flowers and gardens. 1½-lb. size, 35c; 8-lb. size, \$1.25; 25-lb. size, \$2.35; 50-lb. size, \$4.00.

WEEDONE CRAB GRASS KILLER

Kills crab grass and chickweed without killing clover, bluegrass and other desirable grasses. Is non-poisonous and harmless to soil. Can be used on seedling or mature crabgrass. Readily soluble in water and breaks down to beneficial fertilizer elements.

6½-oz. can (treats 1,000 sq. ft. seedling stage), \$1.00.

26-oz. can (treats 4,000 sq. ft. seedling stage), \$3.00.

DON'T HAVE WEEDS

Weeds rob your grass and plants of valuable moisture and mineral salts necessary for good growth. Spray them early in the spring or summer before they have a chance to flower and form new seeds. For best results spray weeds after they are two inches tall and while they are growing actively.

2-4 D

2-4 D is a selective weed killer specifically made to kill certain broad-leaved weeds while not effecting lawn grasses. Normal killing time requires about two weeks. 2-4 D should be used when weeds are growing actively. Best results are generally not obtained during a period of drought.

The new internal weed killer. Kills Poison Ivy, Poison Oak, Bindweed, Honeysuckle, Dandelion, other noxious weeds. Sprayed on leaves, it travels down and kills right out to the root tips. Sprayed on lawns, it kills dandelions and other weeds without hurting the grass. Non-corrosive, safe for humans and animals. Just mix with water and sprav

8-oz. bottle (covers 500 sq. ft.) \$1.00

1-qt. can (" 2,500 sq. ft.) 2.75

1-gal. can (" 10,000 sq. ft.) 6.95

Larger quantities on request.



EndoWeed is a new and improved selective weed killer, carefully prepared to kill ugly lawn weeds without harming ordinary grass or affecting the soil! Kills dandelions, chickweed, plantain and over 50 other weeds, roots and all. 8 ounces treats 2,000 sq. ft. of lawn. ½-pint, 98c each; quart, \$2.69 each; gallon can, \$7.50 each.

SODIUM CHLORATE

Kills Weeds for Keeps

Used for the permanent killing of Bindweed and other undesirable vegetation. Spray on foliage and it kills to the root tips. Weeds rob the farmers of millions of dollars yearly. Keep your land WEED-FREE, use Sodium Chlorate. 25c per lb., \$18.50 per 100 lbs.

DON'T HAVE CRAB GRASS

Timing of the treatment for crab grass is important. Crab grass germinates early in the spring and if treatment is made then the seedlings will be killed as they start growing. Fertilize and re-seed vacant spots regularly after killing out crabgrass or weeds. Do not cut your lawn grass shorter than two inches if crabgrass is a problem as close mowing favors the growth of crabgrass.

KILL Crab Grass

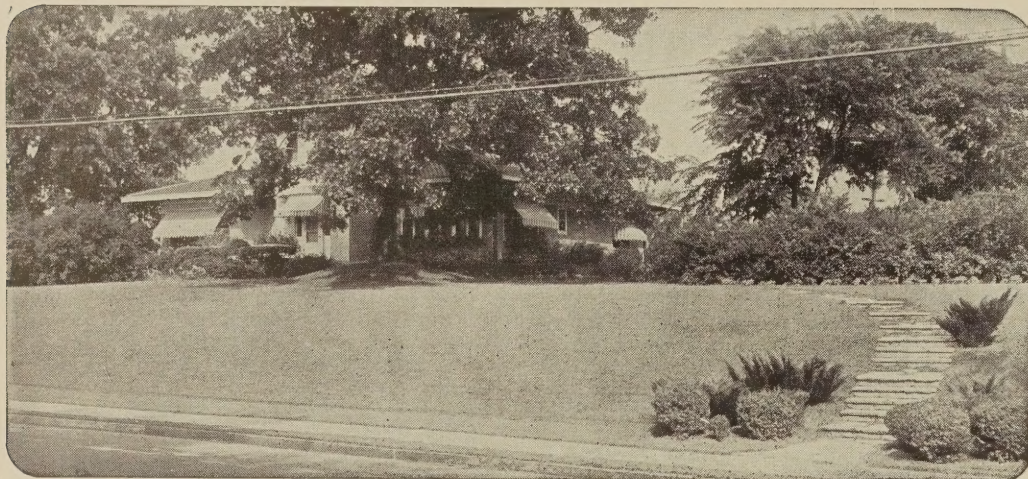
WITHOUT DESTROYING *Lawn Grass*

ZOTOX



This amazing liquid chemical kills Crab Grass without permanent injury to lawn grasses. A 16 oz. bottle makes 10 gallons and treats 2000 sq. ft. ZOTOX also kills dandelion, plantain, chickweed, spurge and other lawn weeds. Full directions on bottle. Prices: 8 oz. \$1.00; 16 oz. \$1.50; 32 oz. \$2.50; 5 lbs. \$4.50.

Ask for free literature.



SPRING LAWN CARE

Early spring care is necessary for a good lawn. All accumulations of leaves and debris should be removed by raking. Necessary plant food should be applied when grass is dry, watering the lawn heavily to wash the fertilizer off the grass and down into the soil. Dig up all bare spots and re-seed, covering lightly. When soil is dry enough to prevent packing, roll with a light roller.

SUMMER LAWN CARE

Mow grass frequently to keep height from exceeding 2½ inches, setting mower to cut about 1¼ inches high. Too close cutting injures the grass by sudden exposure to the sun. Short clippings, if not too heavy, are beneficial when left on the lawn. Destroy weeds early before they re-seed by using a weed killer which is listed on page 35 of our catalog. When watering be sure to soak ground well as light watering brings the roots to the surface and may kill out grass.

FALL LAWN CARE

Feed the lawn with a well balanced plant food. Re-seed all bare of thin spots. Fall is a good time to start a new lawn. Seed germinates quickly and grass will make a vigorous growth with less interference from weeds.

SOIL TESTING—TREATED LAWN GRASS

A FREE test of your soil to determine the amount of fertilizer needed will be made for you if you will bring us samples.

A 46½% increase in permanent stand of grass may be obtained by using our treated lawn grass. Treated Lawn Grass 5c per lb. extra.

STATE COLLEGE SPECIAL LAWN GRASS MIXTURE

For the very best permanent lawn. Contains principally Blue Grass which is the best basis for lawns throughout the Ozarks area. Also contains quick growing grasses to act as a nurse or cover crop, as well as semi-permanent quick growing grasses to give the very best possible results. 80c per lb. Postage extra.

STAR BRAND MIXED LAWN GRASS

Contains a predominance of Blue Grass but also, to a small degree, quick growing Domestic and Perennial Rye Grasses to give excellent results for permanent lawns. 75c per lb. Postage extra.

MIXED LAWN GRASS

Another good lawn grass containing a larger percentage of Blue Grass than our Justice Brand, as well as other grasses for a permanent lawn. 60c per lb. Postage extra.

JUSTICE BRAND LAWN GRASS

Designed for economical coverage as well as permanent beauty. A good mixture for the Ozarks. 45c per lb. Postage extra.

KENTUCKY BLUE GRASS

Produces an excellent lawn. Leaf blades dark green, very narrow with plants slightly creeping, forming a dense mat when watered and properly cared for. Seed 1 pound to 200 square feet. 80c per lb. Postage extra.

WHITE DUTCH CLOVER

White Clover is used as a supplement in various lawn grasses and is a good green cover on poor ground. A perennial which makes a thick mat of vigorous plants. Does best on a moist soil. Sow one pound to 400 square feet. 95c per lb. Postage extra.

LAWN GRASS

Starting a New Lawn

A well prepared seed bed is very essential when seeding a new lawn. Early in the spring or late summer spade or plow the soil deeply, breaking up all lumps. Apply Horticultural Peat Moss and the necessary fertilizer working them into the soil to a depth of 3 to 4 inches. Rake the surface at 10 day to two week intervals before planting to destroy weeds. Sow enough seed so that the ground will be well covered, seeding half of seed one way and the other half at right angle to get an even distribution. Cover with a light roller or rake lightly.

MERION BLUE GRASS

Makes a dense dark green turf which is both heat and drought resistant and establishes itself more rapidly than common blue grass. It is resistant to leaf spot and tolerates closer mowing. Requires about one-third as much seed to cover a given area than Kentucky Blue Grass. Ask for prices and availability.

CHEWINGS FESCUE

A desirable grass for slightly shaded areas and does well on fairly acid soils. Has a low growing habit, making a dense turf. Often used on putting greens, fairways and tees. 1 pound to 150 square feet is required. \$1.15 per lb. Postage extra.

CREEPING RED FESCUE

A finely-textured grass, is hardy and adaptable even on rather acid soil. Thrives even in shade and because of its fine wiry blades has good wearing qualities. Underground runners cause it to spread. Fine in mixtures. Use 1 pound to 150 square feet. \$1.30 per lb. Postage extra.

RED TOP

A fine bladed grass that will succeed on most soils although does better under moist conditions. If repeatedly mowed will hold well in summer. Withstands wet weather and even over-flowing. Should be planted with other grasses. Seed 1 pound to 200 square feet. 60c per lb. Postage extra.

DOMESTIC RYE GRASS

Because of its quick growth is valuable as a cover crop in lawn mixtures. Keeps lawn green while other grasses are becoming established. An annual it does well on most soils. Sow 1 pound to 100 square feet. 25c per lb. Postage extra.

PERENNIAL RYE GRASS

Suitable in lawn mixtures as it is a quick growing grass. Does well on most any soil that is not water logged. 30c per lb. Postage extra.

BERMUDA GRASS

Produces a vigorous and persistent growth that will last for years and stand long, hot summers well. Best suited to a sunny exposure but grows well on any soil that is not too wet. Suitable for lawns, golf courses and athletic fields. Makes an even turf that comes back quickly after cutting. Seed when ground is thoroughly warm and moist at rate of 1 pound to 600 square feet. 75c per lb. Postage extra.

SHADY LAWN GRASS

Similar in appearance to Kentucky Blue Grass but does well in shady places. Will produce a good permanent cover if soil is kept sweet and alkaline and well fertilized. Will also grow in the open sun. 90c per lb. Postage extra.

CREEPING BENT GRASS

A fine leaved grass which produces runners or stolons which take root and grow when they come in contact with the soil. Is excellent for putting greens and lawns and will withstand very close mowing if top dressing is added three or four times a year. \$1.35 per lb. Postage extra.

Lawn Grass Mixture Required

For 300 sq. ft. (10x30 ft.).....	1 lb.
For 1000 sq. ft. (20x50 ft.).....	3 lbs.
For 5000 sq. ft. (50x100 ft.).....	15 lbs.
For 43560 sq. ft. (1 acre).....	130 lbs.

Use about one-half as much for renovating old lawns.

You, Too, Can Have A Beautiful Lawn

Through years of experience we have learned what kinds of seeds are best adapted to this area for lawns. Only the highest quality of seeds are offered to our customers. The results derived from the use of good seeds and careful preparation of the soil will well repay you. A sparsely seeded lawn will give a chance for weed seeds already in the soil to get started.

Remember, in the preparation of your lawn you are planning not only for now but for the future. Carefully spade the soil to a depth of at least 6 inches, breaking each spadeful as it is turned over. When the soil can be crumbled with a slap of the spade it is in condition to seed. Avoid working when it is too damp. If the soil is inclined to pack, use a soil conditioner. Add the proper amount of fertilizer and some humus such as peat moss, if required.

A light rolling of the lawn to assure perfect contact between seed and soil is essential. When a roller is not available, a tamper or wide board can be used, particularly on small areas.

The best germination results are obtained when the soil is kept moist. Water thoroughly, using a fine spray, and continue daily until the seed germination is complete; this requires 3 to 4 weeks. Then watering may be done as needed but always thoroughly. Shallow roots develop when too little water is used.

Unightly weeds or crab grass need not mar the beauty of your lawn. We can supply you with the necessary products to kill these pests without injury to your grass.

Start the lawn early so that the roots may be well established, especially when seeding in the spring. A good time to plant a lawn is in the early fall.



SPRINGFIELD SEED COMPANY'S

LAWN GRASS



HYBRID

Tea Roses

CONDESA
DE SASTAGO

McGREDY'S
YELLOW

ETOILE DE
HOLLANDE

EDITOR
McFARLAND

K. A. VIKTORIA

MRS.
P. S.
Du PONT

SPRINGFIELD SEED CO. SPRINGFIELD
MISSOURI

MISSOURI PERMIT No. 1